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MR = RUBINETTI A SFERA E DEVIATORI
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ALLUMINIUM HEAT EXCHANGERS
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POMPA A MANO 25 CC SEMPLICE EFFETTO CON VOLANTINO DI DISCESA COMPLETA DI SERBATOIO

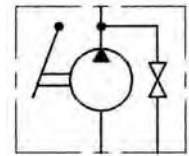
HAND PUMP 25 CC SINGLE ACTING
WITH LOWERING TAP, WITH TANK

POMPE A MAIN 25 CC SIMPLE EFFET
AVEC VOLANT DE CHUTE AVEC RESERVOIR

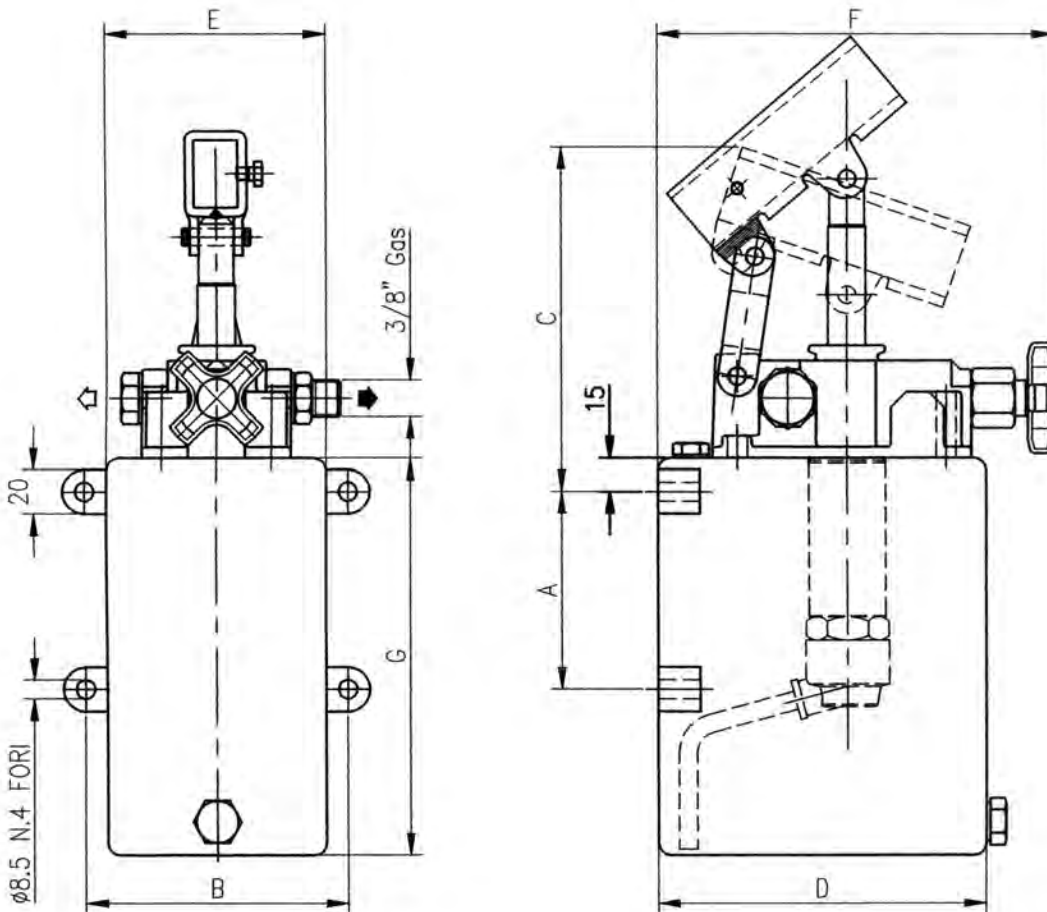
HANDPUMPE 25 CC EINFACHWIRKEND
MIT RUCKFLUSSHAHN, MIT TANK

BOMBA MANO SIMPLE EFECTO
CON RULETA DE REGULACIÓN Y DEPÓSITO

PM = Pompa con serbatoio



Pompa per azionare un
cilindro a semplice effetto



ART.	CAPACITA' SERBATOIO (Litri)	CILINDRATA Cm ³	DIMENSIONI IN MM.						
			A	B	C	D	E	F	G
ME068010	1	25	90	120	178	150	100	186	120
ME068011	2	25	90	120	178	150	100	186	180
ME068012	3	25	90	120	178	150	100	186	247
ME068013	5	25	90	195	178	175	175	206	200
ME068014	7	25	90	195	178	175	175	206	269

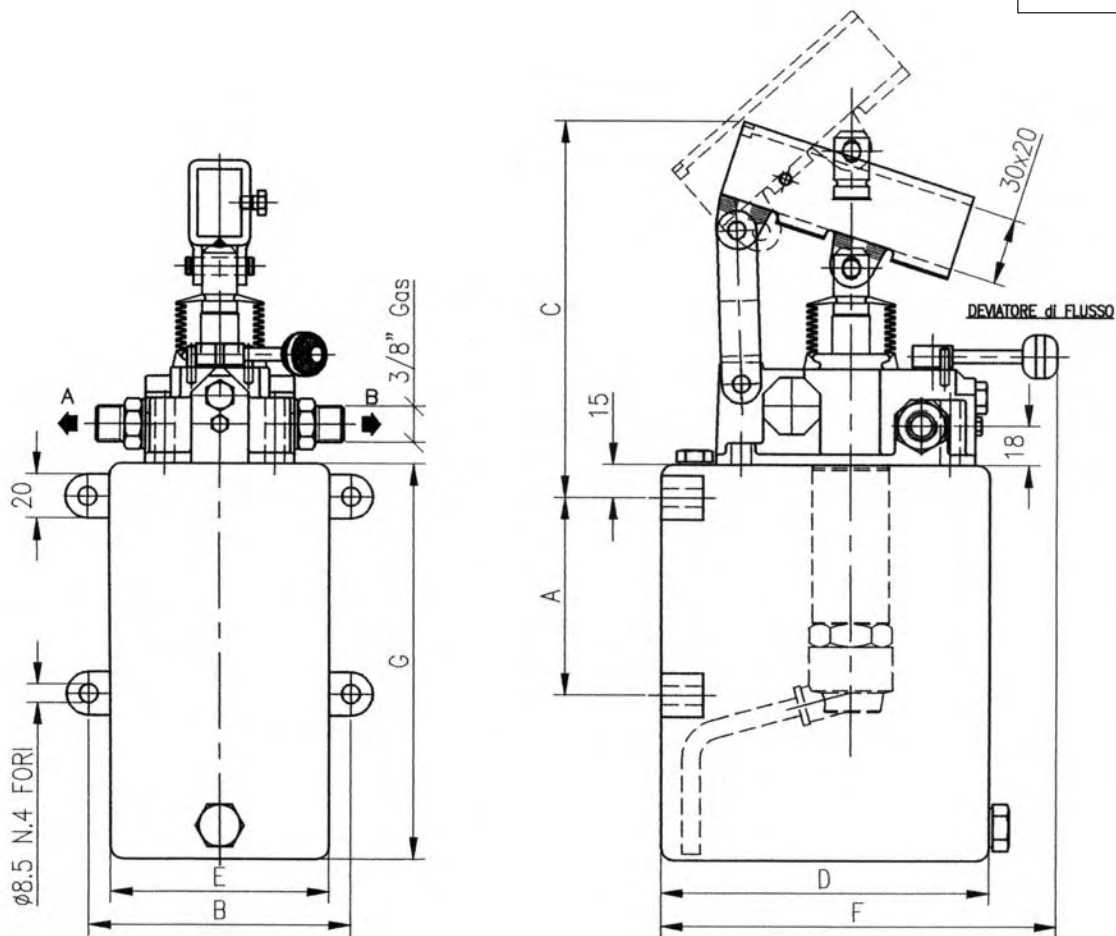
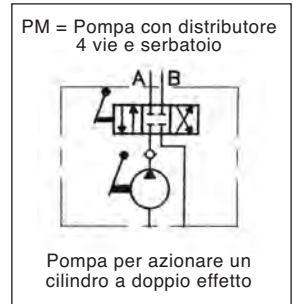
**POMPA A MANO 25 CC DOPPIO EFFETTO
CON RUBINETTO DI INVERSIONE COMPLETA DI SERBATOIO**

HAND PUMP 25 CC DOUBLE ACTING WITH REVOLVER TAP, WITH TANK

POMPE A MAIN 25 CC DOUBLE EFFET AVEC ROBINET D'INVERSION COMPLETE DE RESERVOIR

HAND PUMPE 25 CC DOPPELWIRKEND MIT UMKEHRHAHN, MIT TANK

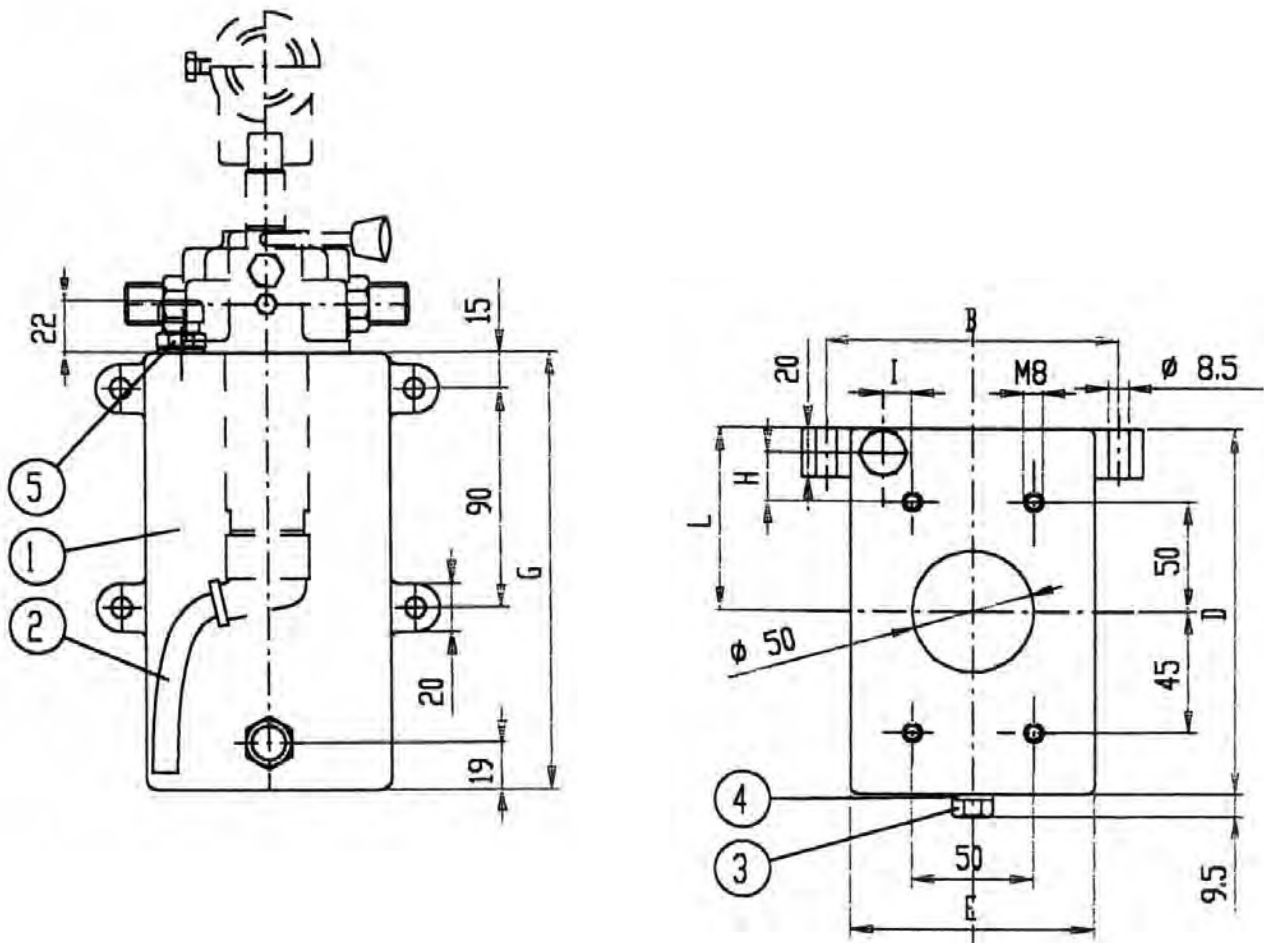
BOMBA DE MANO 25 CC DOBLE EFECTO
CON PALANCA DE INVERSIÓN Y DEPÓSITO



ART.	CAPACITA' SERBATOIO (Litri)	CILINDRATA Cm ³	DIMENSIONI IN MM.						
			A	B	C	D	E	F	G
ME069010	1	-	90	120	178	150	100	186	120
ME069011	2	-	90	120	178	150	100	186	180
ME069012	3	-	90	120	178	150	100	186	247
ME069013	5	-	90	195	178	175	175	206	200
ME069014	7	-	90	195	178	175	175	206	269

SERBATOIO PER POMPA A MANO

TANK FOR HAND PUMPS
 RESERVOIR POUR POMPES A MAIN
 TANK FUER HANDPUMPEN
 DEPOSITO PARA BOMBAS DE MANO

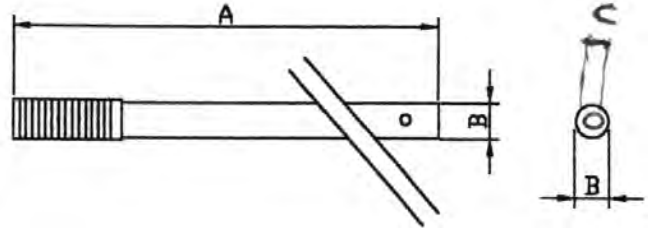


ART.	CAPACITA' CAPACITY (Litri-litres)	DIMENSIONI IN MM. DIMENSIONS IN MM.						
		B	D	E	G	H	I	L
ME072010	1	120	150	100	120	24	12	90
ME072011	2	120	150	100	180	24	12	90
ME072012	3	120	150	100	247	24	12	90
ME072013	5	195	175	175	200	42	45	110
ME072014	7	195	175	175	269	42	45	110

LEVA PER POMPA A MANO

LEVER FOR HAND PUMP
 LEVIER POUR POMPE A MAIN
 HEBEL FÜR HAND PUMPE
 PALANCA PARA BOMBA DE MANO

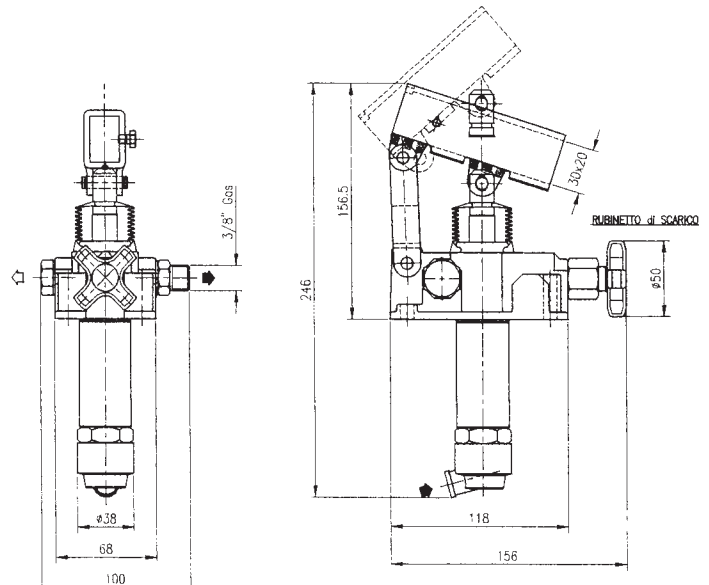
ART.	B	D	E
ME073010	600	30	20



POMPA A MANO 25 CC SENZA SERBATOIO

HAND PUMP 25 CC WITHOUT TANKS
 POMPE A MAIN 25 CC SANS RESERVOIR
 HANDPUMPE 25 CC OHVE TANK
 BOMBA MANO 25 CC SIN DEPOSITO

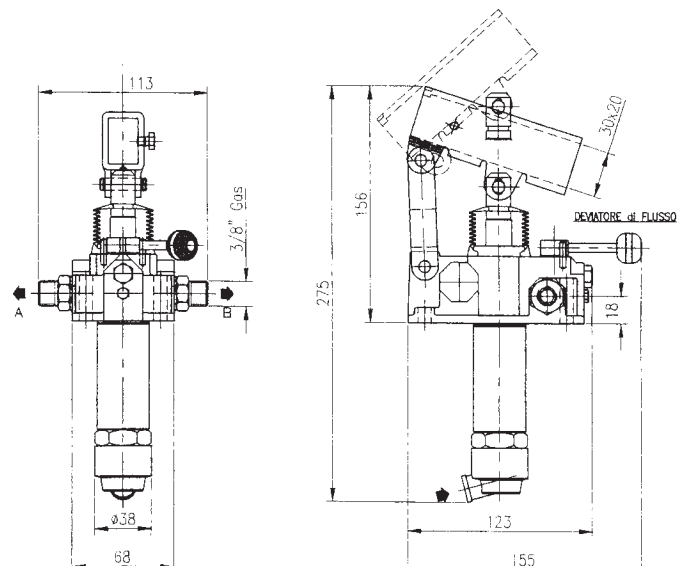
ART.	CILINDRATA m ³	TIPO
ME074010	25	SE



POMPA A MANO 25 CC SENZA SERBATOIO

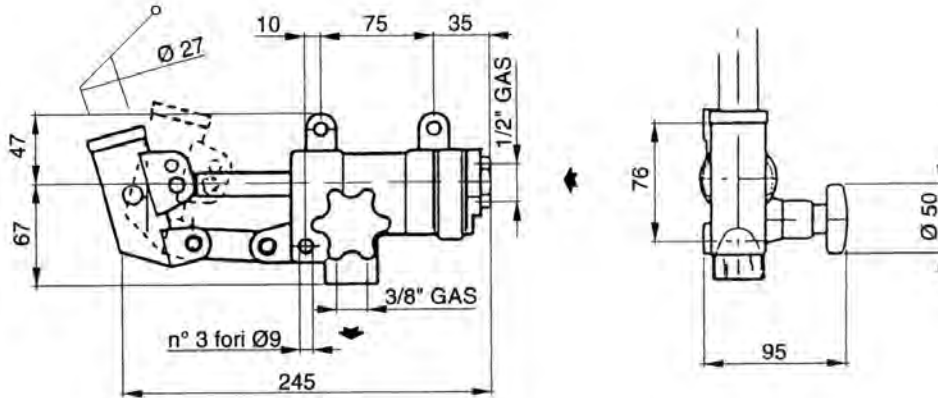
HAND PUMP 25 CC WITHOUT TANKS
 POMPE A MAIN 25 CC SANS RESERVOIR
 HANDPUMPE 25 CC OHVE TANK
 BOMBA MANO 25 CC SIN DEPOSITO

ART.	CILINDRATA m ³	TIPO
ME074011	25	DE



POMPA A MANO: A SEMPLICE EFFETTO CON RUBINETTO DI DISCESA INCORPORATO

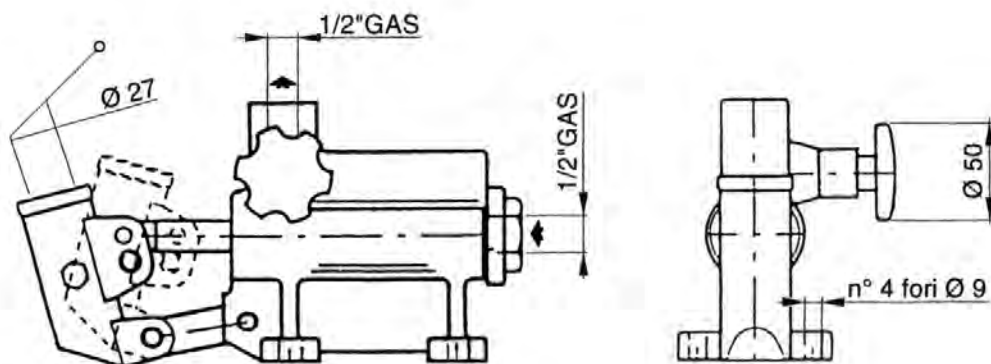
HAND PUMP: SINGLE ACTING, WITH BUILT IN SHUTOFF VALVE DISPLACEMENT
 POMPE A MAIN: SIMPLE EFFET, AVEC ROBINET CHUTE INCORPORÉ
 HANDPUMPE: EINFACHWIRKEND, MIT EINGEBAUTEM RÜCKFLUSSHAHN
 BOMBA DE MANO: SIMPLE EFECTO CON PALANCA DE PRESIÓN INCORPORADA



ART.	PORTATA CAPACITY cm ³	PRESSIONE MASSIMA MAX PRESSURE BAR
ME075010	20	300

POMPA A MANO: A SEMPLICE EFFETTO CON RUBINETTO DI DISCESA INCORPORATO

HAND PUMP: SINGLE ACTING, WITH BUILT IN SHUTOFF VALVE DISPLACEMENT
 POMPE A MAIN: SIMPLE EFFET, AVEC ROBINET CHUTE INCORPORÉ
 HANDPUMPE: EINFACHWIRKEND, MIT EINGEBAUTEM RÜCKFLUSSHAHN
 BOMBA DE MANO: SIMPLE EFECTO CON PALANCA DE PRESIÓN INCORPORADA



ART.	PORTATA CAPACITY cm ³	PRESSIONE MASSIMA MAX PRESSURE BAR
ME075011	50	280
ME075012	70	200

CILINDRI A DOPPIO EFFETTO SENZA SUPPORTI D'ATTACCO

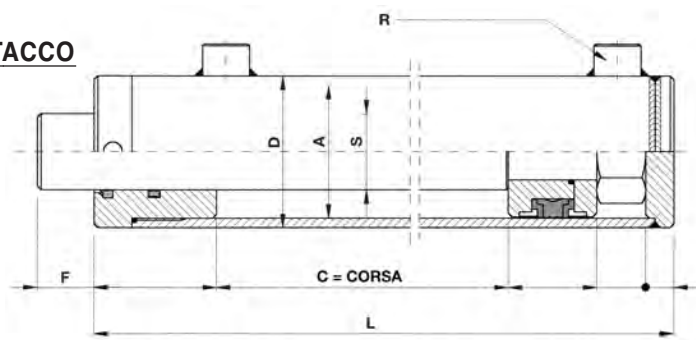
HYDRAULIC CYLINDERS DOUBLE ACTING WITHOUT ENDS

VERINS A DOUBLE EFET SANS FIXATION

HYDRAULISCHE ZYLINDER DOPPEL

WIRKEND OHNE ANSCHLÜSSE

CILINDROS DOBLE EFECTO SIN FISACIONES



CARATTERISTICHE

PRESSIONE ESERCIZIO 200 BAR

VELOCITA' MASSIMA 25 M/MIN.

TEMPERATURA - 25°/+80° C

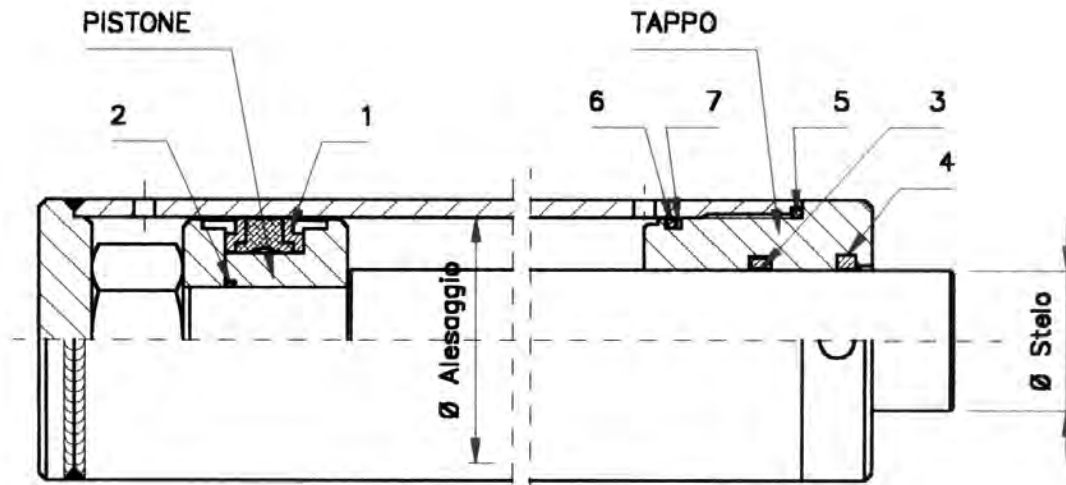
ART.	Ø A	Ø S	C = corsa	L	D	F	R
MF078010	40	25	100	247	50	30	3/8"
MF078011	40	25	200	347	50	30	3/8"
MF078012	40	25	300	447	50	30	3/8"
MF078013	40	25	400	547	50	30	3/8"
MF078014	40	25	500	647	50	30	3/8"
MF078015	50	30	100	256	60	30	3/8"
MF078016	50	30	200	356	60	30	3/8"
MF078017	50	30	300	456	60	30	3/8"
MF078018	50	30	400	556	60	30	3/8"
MF078019	50	30	500	656	60	30	3/8"
MF078020	50	30	600	756	60	30	3/8"
MF078021	50	30	700	856	60	30	3/8"
MF078022	60	30	100	261	70	30	3/8"
MF078023	60	30	200	361	70	30	3/8"
MF078024	60	30	300	461	70	30	3/8"
MF078025	60	30	400	561	70	30	3/8"
MF078026	60	30	500	661	70	30	3/8"
MF078027	60	30	600	761	70	30	3/8"
MF078028	60	30	700	861	70	30	3/8"
MF078031	70	40	200	383	80	30	3/8"
MF078032	70	40	300	483	80	30	3/8"
MF078033	70	40	400	583	80	30	3/8"
MF078034	70	40	500	683	80	30	3/8"
MF078035	70	40	600	783	80	30	3/8"
MF078036	70	40	700	883	80	30	3/8"
MF078037	80	40	200	383	90	30	3/8"
MF078038	80	40	300	483	90	30	3/8"
MF078039	80	40	400	583	90	30	3/8"
MF078040	80	40	500	683	90	30	3/8"
MF078041	80	40	600	783	90	30	3/8"
MF078042	80	40	700	883	90	30	3/8"
MF078043	90	50	300	484	100	30	3/8"
MF078044	90	50	400	584	100	30	3/8"
MF078045	90	50	500	684	100	30	3/8"
MF078046	90	50	700	884	100	30	3/8"
MF078047	90	50	900	1.084	100	30	3/8"

N.B. A richiesta si eseguono su disegno
On request they can be manufactured according to a drawing

Sur demande on les réproduit d'après un dessin
Zu beachten: auf wunsch können sie auch auf zeichnung hergestellt werden

**GUARNIZIONI PER L'ASSEMBLAGGIO
DEI CILINDRI IDRAULICI A DOPPIO EFFETTO**

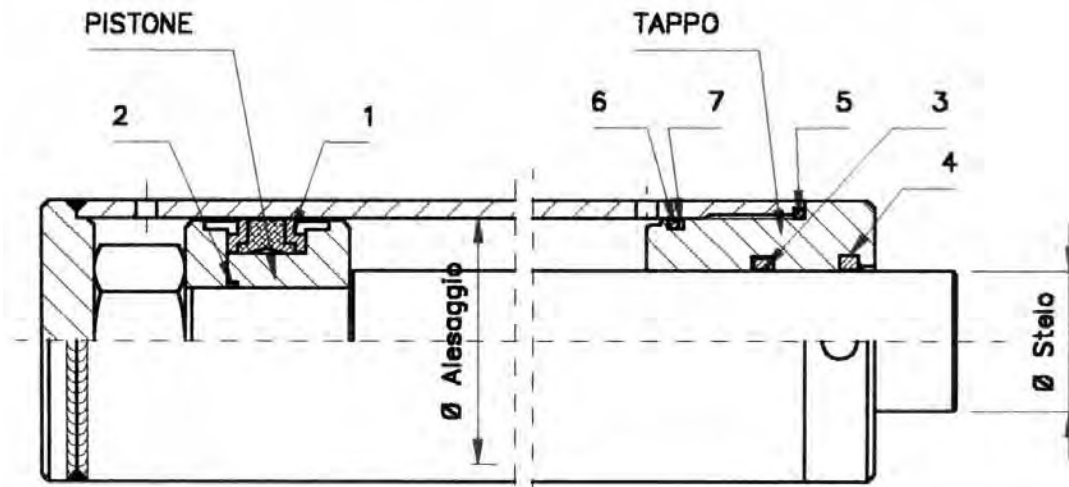
DOUBLE ACTING CYLINDERS GASKET SETS
JOINTS POUR VERIN HYDRAULIQUES DOUBLE EFFET
DICHTUNGSSATZ FÜR DW-ZYLINDER
JUNTAS DE ENSAMBLAJE DE CILINDRI HIDRAÚLICO DE DOPPIO EFFETTO



ART.	Ø Alesag.	Ø Stelo	PISTONE		TAPPO				
			1	2	ART.	3	4	5	6+7
MF080008	030	016	TPL 9305-118078	OR 111	MF079009	OR 616	OR 616	OR 217	-
MF080009	030	020	TPL 9305-118078	OR 111	MF079020	TTS 534L-20/28/5.8	Rasc. GHK 306-078110	OR 217	-
MF080010	035	020	TPM 9007-137098	OR 111	MF079010	TTS 534L-20/28/5.8	Rasc. GHK 306-078110	OR 220	-
MF080011	040	020	TPM 9008-157118	OR 616	MF079021	TTS 534L-20/28/5.8	Rasc. GHK 306-078110	OR 222	-
MF080024	040	025	TPM 9008-157118	OR 616	MF079011	TTS 555L-25/33/5.8	Rasc. GHK 308-098129	OR 222	-
MF080025	045	020	TPM 9014-177137	OR 616	MF079022	TTS 534L-20/28/5.8	Rasc. GHK 306-078110	OR 826	-
MF080026	045	025	TPM 9014-177137	OR 616	MF079023	TTS 555L-25/33/5.8	Rasc. GHK 308-098129	OR 826	-
MF080027	045	030	TPM 9014-177137	OR 616	MF079024	TTS 579L-30/38/5.8	Rasc. GHK 311-118149	OR 826	-
MF080028	050	020	TPM 9015-191633	OR 211	MF079025	TTS 534L-20/28/5.8	Rasc. GHK 306-078110	OR 829	-
MF080012	050	025	TPM 9015-191633	OR 211	MF079012	TTS 555L-25/33/5.8	Rasc. GHK 308-098129	OR 829	-
MF080029	050	030	TPM 9015-191633	OR 211	MF079013	TTS 579L-30/38/5.8	Rasc. GHK 311-118149	OR 829	-
MF080030	050	035	TPM 9015-191633	OR 211	MF079026	TTS 596L-35/43/5.8	Rasc. GHK 313-137169	OR 829	-
MF080031	055	025	TPM 9018-216153	OR 211	MF079027	TTS 555L-25/33/5.8	Rasc. GHK 308-098129	OR 833	-
MF080032	055	030	TPM 9018-216153	OR 214	MF079028	TTS 579L-30/38/5.8	Rasc. GHK 311-118149	OR 833	-
MF080033	055	035	TPM 9018-216153	OR 214	MF079029	TTS 596L-35/43/5.8	Rasc. GHK 313-137169	OR 833	-
MF080013	060	030	TPM 9020-236173	OR 214	MF079030	TTS 579L-30/38/5.8	Rasc. GHK 311-118149	OR 836	OR 217+Anello
MF080034	060	035	TPM 9020-236173	OR 214	MF079014	TTS 596L-35/43/5.8	Rasc. GHK 313-136168	OR 836	OR 217+Anello
MF080014	060	040	TPM 9020-236173	OR 214	MF079015	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 836	OR 217+Anello
MF080023	065	030	TPM 9024-251596	OR 214	MF079031	TTS 579L-30/38/5.8	Rasc. GHK 311-118149	OR 230	OR 217+Anello
MF080035	065	035	TPM 9024-251596	OR 214	MF079032	TTS 596L-35/43/5.8	Rasc. GHK 313-137169	OR 230	OR 217+Anello
MF080036	065	040	TPM 9024-251596	OR 214	MF079033	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 230	OR 217+Anello
MF080037	065	045	TPM 9024-251596	OR 214	MF079034	TTS 641L-45/55/7	Rasc. GHK 318-177208	OR 230	OR 217+Anello

**GUARNIZIONI PER L'ASSEMBLAGGIO
DEI CILINDRI IDRAULICI A DOPPIO EFFETTO**

DOUBLE ACTING CYLINDERS GASKET SETS
JOINTS POUR VERIN HYDRAULIQUES DOUBLE EFFET
DICHTUNGSSATZ FÜR DW-ZYLINDER
JUNTAS DE ENSAMBLAJE DE CILINDRI HIDRAÚLICO DE DOPPIO EFFETTO

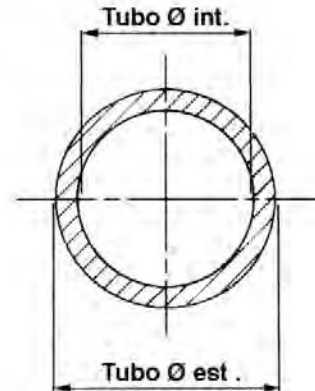


ART.	Ø Alesag.	Ø Stelo	PISTONE		TAPPO				
			1	2	ART.	3	4	5	6+7
MF080017	070	035	TPL 9025-275196	OR 123	MF079035	TTS 596L-35/43/5.8	Rasc. GHK 313-137169	OR 841	OR 230+Anello
MF080038	070	040	TPL 9025-275196	OR 123	MF079016	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 841	OR 230+Anello
MF080039	070	045	TPL 9025-275196	OR 123	MF079036	TTS 641L-45/55/7	Rasc. GHK 318-177208	OR 841	OR 230+Anello
MF080040	080	035	TPM 9028-314236	OR 123	MF079037	TTS 596L-35/43/5.8	Rasc. GHK 313-137169	OR 235	OR 233+Anello
MF080018	080	040	TPM 9028-314236	OR 123	MF079038	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 235	OR 233+Anello
MF080041	080	045	TPM 9028-314236	OR 123	MF079017	TTS 641L-45/55/7	Rasc. GHK 318-177208	OR 235	OR 233+Anello
MF080042	080	050	TPM 9028-314236	OR 123	MF079018	TTS 653L-50/60/7	Rasc. GHK 322-196228	OR 235	OR 233+Anello
MF080043	080	055	TPM 9028-314236	OR 123	MF079039	TTS 668L-55/68/7.2	Rasc. GHK 325-216248	OR 235	OR 233+Anello
MF080019	090	040	TPM 9033-354275	OR 220	MF079040	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 238	OR 620+Anello
MF080044	090	045	TPM 9033-354275	OR 220	MF079041	TTS 641L-45/55/7	Rasc. GHK 318-177208	OR 238	OR 620+Anello
MF080020	090	050	TPM 9033-354275	OR 220	MF079042	TTS 653L-50/60/7	Rasc. GHK 322-196228	OR 238	OR 620+Anello
MF080050	090	055	TPM 9033-354275	OR 220	MF079043	TTS 668L-55/68/7.2	Rasc. GHK 325-216248	OR 238	OR 620+Anello
MF080045	090	060	TPM 9033-354275	OR 220	MF079044	TTS 682L-60/70/7.2	Rasc. GHK 328-236267	OR 238	OR 620+Anello
MF080046	100	040	TPM 9036-393295	OR 220	MF079045	TTS 614L-40/48/5.8	Rasc. GHK 316-157188	OR 241	OR 621+Anello
MF080047	100	045	TPM 9036-393295	OR 220	MF079046	TTS 641L-45/55/7	Rasc. GHK 318-177208	OR 241	OR 621+Anello
MF080021	100	050	TPM 9036-393295	OR 220	MF079047	TTS 653L-50/60/7	Rasc. GHK 322-196228	OR 241	OR 621+Anello
MF080048	100	055	TPM 9036-393295	OR 220	MF079048	TTS 668L-55/68/7.2	Rasc. GHK 325-216248	OR 241	OR 621+Anello
MF080049	100	060	TPM 9036-393295	OR 220	MF079019	TTS 682L-60/70/7.2	Rasc. GHK 328-236267	OR 241	OR 621+Anello

TUBI TRAFILATI COMMERCIALI PER CILINDRI

STEEL TUBES FOR CYLINDERS
 TUBES ACIER POUR VERINS
 STAHLRÖHRE FÜR ZYLINDER
 TUBO DE ACERO PARA CILINDROS

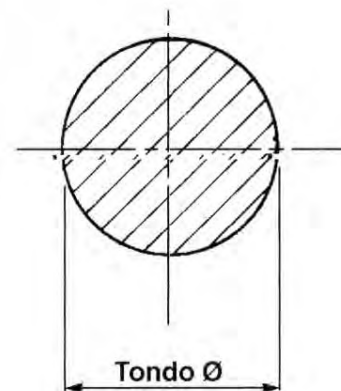
ART.	Ø INT. H10	Ø EST.
MF094010	40	50
MF094011	50	60
MF094012	60	70
MF094000	65	75
MF094013	70	80
MF094014	80	90
MF094015	80	95
MF094016	90	105
MF094017	100	115



BARRE CROMATE COMMERCIALI PER CILINDRI

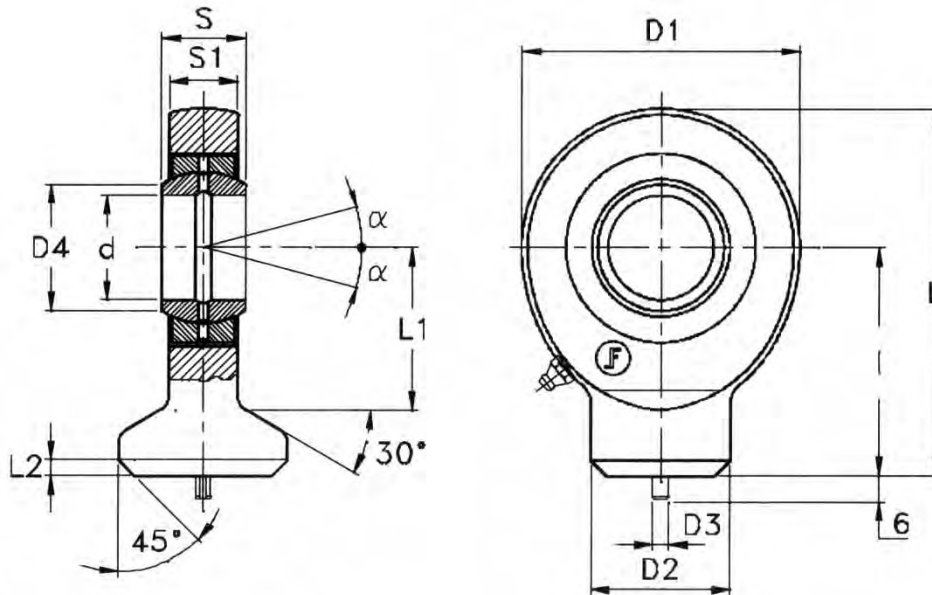
STEEL CHROMED BARS FOR CYLINDERS
 BARRES CHROMÉES POUR VERINS
 CHROMSTANGE FÜR ZYLINDER
 BARRA CROMADA

ART.	TONDO Ø H7
MF095010	20
MF095011	25
MF095012	30
MF095013	35
MF095014	40
MF095022	45
MF095015	50
MF095023	55
MF095016	60
MF095017	70
MF095018	80
MF095019	90
MF095020	100
MF095021	110



TERMINALE A SNODO ANTERIORE

BALL JOINT ENDS
EMBOUITS A ROTULE
GELENKKOPF
SOPORTE A RÓTULA



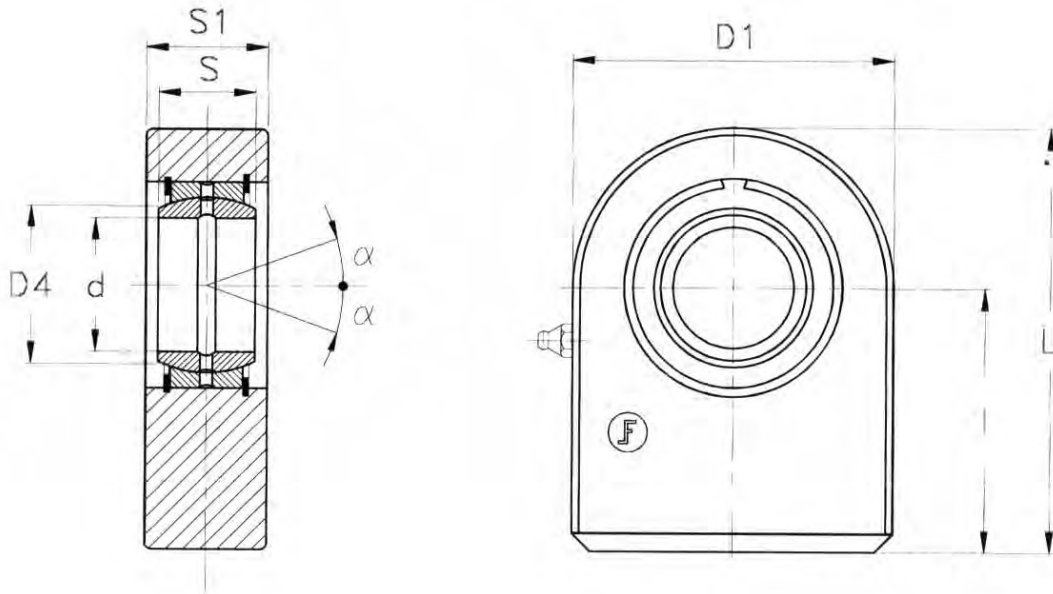
DIN 648, SERIE E - RILUBRIFICABILI - ACCOPPIAMENTO ACCIAIO / ACCIAIO - TERMINALE IN ACCIAIO ST 52.3

DIN 648, SERIE E - WITH GREASE NIPPLE - COUPLING STEEL / STEEL - STEEL END ST 52.3
LUBRIFICATIONS POSSIBLES - ACCOUPLEMENT ACIER / ACIER - EMBOUT EN ACIER ST 52.3
DIN 648, SERIE E - NACHSCHMIERBAR - STAHL / STAHL PAARUNG - GELENKKOPF AUS STAHL ST 52.3
DIN 648, SERIE E - ENGRASABLES - ACOPLAMIENTO ACERO/ACERO - SOPORTE A RÓTULA DE ACERO ST 52.3

ART.	d	Toller. d	S	Toller. S	D4	I	D2	D1	S1	L	L1	L2	D3	COEF. DI CARICO		GIUOCO RADIALE mm.	α Gradi
														Dinam. C	Stat. Co		
ME096010	10	+0 -0,008	9	+0 -0,012	13.2	24	15	29	7	38.5	15	2	3	8.15	15.6	0.023 - 0.068	12
ME096011	12	+0 -0,008	10	+0 -0,012	15	27	17.5	34	8	44	18	2	3	10.8	21.6	0.023 - 0.068	11
ME096012	15	+0 -0,008	12	+0 -0,012	18.4	31	21	40	10	51	20	2.5	4	17	32	0.030 - 0.082	8
ME096024	16	+0 -0,008	14	+0 -0,012	20.7	35	24	46	11	58	23	3	4	19	36	0.030 - 0.082	9
ME096013	17	+0 -0,008	14	+0 -0,012	20.7	35	24	46	11	58	23	3	4	21.2	40	0.030 - 0.082	10
ME096014	20	+0 -0,010	16	+0 -0,012	24.1	38	27.5	53	13	64.5	27.5	3	4	30	54	0.030 - 0.082	9
ME096015	25	+0 -0,010	20	+0 -0,012	29.3	45	33.5	64	17	77	33	4	4	48	72	0.037 - 0.010	7
ME096016	30	+0 -0,010	22	+0 -0,012	34.2	51	40	73	19	87.5	37.5	4	4	62	95	0.037 - 0.010	6
ME096017	35	+0 -0,012	25	+0 -0,012	39.7	61	47	82	21	102	43	4	4	80	125	0.037 - 0.010	6
ME096018	40	+0 -0,012	28	+0 -0,012	45	69	52	92	23	115	48	5	4	100	156	0.043 - 0.120	7
ME096019	45	+0 -0,012	32	+0 -0,012	50.7	77	58	102	27	128	52	5	6	127	208	0.043 - 0.120	7
ME096020	50	+0 -0,012	35	+0 -0,012	56	88	62	112	30	144	59	6	6	156	250	0.043 - 0.120	6
ME096021	60	+0 -0,015	44	+0 -0,015	66.8	100	70	135	38	167.5	72.5	8	6	245	390	0.043 - 0.120	6
ME096022	70	+0 -0,015	49	+0 -0,015	77.8	115	80	160	42	195	86	10	6	315	510	0.055 - 0.142	6
ME096023	80	+0 -0,015	55	+0 -0,015	89.4	141	95	180	47	231	98	10	6	400	620	0.055 - 0.142	6

TERMINALE A SNODO POSTERIORE

BALL JOINT ENDS
EMBOUITS A ROTULE
GELENKKOPF
SOPORTE A RÓTULA



DIN 648, SERIE E - RILUBRIFICABILI - ACCOPPIAMENTO ACCIAIO / ACCIAIO - TERMINALE IN ACCIAIO ST 52.3

DIN 648, SERIE E - WITH GREASE NIPPLE - COUPLING STEEL / STEEL - STEEL END ST 52.3
LUBRIFICATIONS POSSIBLES - ACCOUPLEMENT ACIER / ACIER - EMBOUT EN ACIER ST 52.3
DIN 648, SERIE E - NACHSCHMIERBAR - STAHL / STAHL PAARUNG - GELENKKOPF AUS STAHL ST 52.3
DIN 648, SERIE E - ENGRASABLES - ACOPLAMIENTO ACERO/ACERO - SOPORTE A ROTULA DE ACERO ST 52.3

ART.	d	Toller. d	S	Toller. S	D4	I	D2	S1	L	COEF. DI CARICO		GIUOCO RADIALE mm.	α Gradi
										Dinam. C	Stat. Co		
MF097012	20	+0 -0,010	16	+0 -0.012	24.1	38	50	19	63	30	67	0.030 - 0.082	9
MF097013	25	+0 -0,010	20	+0 -0.012	29.3	45	55	23	72.5	48	69.5	0.037 - 0.100	7
MF097014	30	+0 -0,010	22	+0 -0.012	34.2	51	65	28	83.5	62	118	0.037 - 0.100	6
MF097015	35	+0 -0,012	25	+0 -0.012	39.7	61	83	30	102.5	80	196	0.037 - 0.100	6
MF097016	40	+0 -0,012	28	+0 -0.012	45	69	100	35	119	100	300	0.043 - 0.120	7
MF097017	45	+0 -0,012	32	+0 -0.012	50.7	77	110	40	132	127	380	0.043 - 0.120	7
MF097018	50	+0 -0,012	35	+0 -0.012	56	88	123	40	149.5	156	440	0.043 - 0.120	6
MF097019	60	+0 -0,015	44	+0 -0.015	66.8	100	140	50	170	245	570	0.043 - 0.120	6
MF097020	70	+0 -0,015	49	+0 -0.015	77.8	115	164	55	197	315	695	0.055 - 0.142	6
MF097021	80	+0 -0,015	55	+0 -0.015	89.4	141	180	60	231	400	780	0.055 - 0.142	6
MF097022	90	+0 -0,020	60	+0 -0.020	98.1	150	226	65	263	490	1.340	0.055 - 0.142	5
MF097023	100	+0 -0,020	70	+0 -0.020	109.5	170	250	70	295	610	1.500	0.065 - 0.165	7
MF097024	110	+0 -0,020	70	+0 -0.020	121.2	185	295	80	332.5	655	2.160	0.065 - 0.165	6
MF097025	120	+0 -0,020	85	+0 -0.020	135.5	210	360	90	390	950	3.250	0.065 - 0.165	6

DISTRIBUTORI

SPOOL VALVES
DISTRIBUTEURS
STEUERGERÄTE
DISTRIBUIDORES

CARATTERISTICHE:

Sono distributori monoblocco in ghisa speciale concepiti in dimensioni ridotte al minimo per garantire una più facile applicazione senza per questo ridurre la resistenza alle elevate pressioni di esercizio.

Sono disponibili quattro modelli di produzione standard:

Tipo 1 - Distributore solo ad 1 leva da Lt. 40, 3/8".

Tipo 2 - Distributore da 1 a 6 leve da Lt. 35, 3/8" con possibilità del montaggio del carry over.

Tipo 3 - Distributore da 1 a 4 leve da 50 Lt. 1/2 anch'esso con possibilità del carry over.

PROPRIETIES:

Monobloc valves in special cast iron made, studied in smaller dimension, to give best performances at heigh working pressure. 4 Models available

Item 1 - 1 lever valve 40 Lt., 3/8".

Item 2 - From 1 up to 6 levas valve 35 Lt., 3/8" ready to be connected with a carry over.

Item 3 - From 1 up to levers valve ready to be connected with a carry over.

CARACTERISTIQUES:

Il s'agit de distributeurs monobloc en fonte speciale, concus dans des dimensions reduites au minimum pour garantir une application facile, sans pour cela en reduire la resistance a des pressions

elevées.

Il y a 4 modeles de production standard:

Type 1 - distributeur 1 levier 40 Lt., 3/8".

Type 2 - distributeur de 1 a 6 leviers 30 Lt., 3/8" avec possibilité montage carry - over.

Type 3 - distributeur de 1 a 4 leviers 50 Lt., 1/2" avec possibilité de monter le carry - over;

ANGABEN:

Monoblock-Steuergeräte aus Guss, alle mit Druckweiterführung, Überdruckventil und Federrückstellung ausgestattet.

4 Modelle sind lieferbar, wie folgt:

Typ 1 - 1 Hebel-Steuergerät 40 Lt., 3/8".

Typ 2 - 1 bis 6 Hebel 35 Lt., 3/8", mit Möglichkeit von «carry-over» - Montage.

Typ 3 - 1 bis 4 Hebel - Steuergerät 50 Lt., 1/2 mit Möglichkeit «carry-over» Montage.

PRESADORA:

Son distribuidores monobloc en forza especial estudiados en dimensiones reducidas para dara mejores prestaciones a alta presión de trabajo.

4 modelos disponibles:

Tipo 1 - Distribuidores de una palanca de 40 lt., y 3/8".

Tipo 2 - Distribuidores de una a 6 palancas, de 35 lt., 3/8" con posibilidad de montar el «carry-over»

Tipo 3 - Distribuidores de a 4 palancas, de 50 lt preparado para



CARATTERISTICHE DISTRIBUTORI

PROPRIETIES
 CARACTERISTIQUES
 ANGABEN
 CARACTERISTICAS DE LOS DISTRIBUTORES

A richiesta sono disponibili
 filettature e tarature speciali

Tipo distribut.	Portata l/1'	Attacchi A-B	Attacchi P-T	Attacchi P-T	Taratura val. max
1	40	3/8"	3/8"	-	180 BAR
2	35	3/8"	3/8"	3/8"	180 BAR
3	50	1/2"	1/2" - 3/4"	1/2"	180 BAR

SCHEMI DEI CRICUITI DISPONIBILI

SCHEMES OF THE HYDRAULIC CIRCUITS
 CHEMAS DES CIRCUITS DISPONIBLES
 ÖLKREISLAUFSHEMA
 ESCHEMAS DE CIRCUITOS DISPONIBLE

CIRCUITO SPOOL TYPE	DESCRIZIONE	NOTE
A	Doppio effetto	CENTRO APERTO - POMPE NORMALI
B	Semplice effetto Pos. 2 in mandata	
C	Semplice effetto Pos. 1 in mandata (solo distributori 1/2")	
D	Doppio effetto Scarico aperto in pos. 0 per stelo e fondello	
E	Doppio effetto Scarico aperto in pos. 0 per fondello	
F	Doppio effetto Scarico aperto in pos. 0 per stelo	
G	Semplice effetto Scarico aperto in pos. 0 per fondello - leva a tirare	
H	Semplice effetto Scarico aperto in pos. 0 per fondello - leva a spingere	
L	Doppio effetto con 3ª posizione flottante	
M	Doppio effetto centro chiuso	
N	Semplice effetto Pos. 2 in mandata leva a tirare	
O	Semplice effetto Pos. 1 in mandata - leva a spingere (solo distributori 1/2")	
P	Doppio effetto Scarico aperto in pos. 0 per stelo e fondello	
Q	Doppio effetto Scarico aperto in pos. 0 per fondello	
R	Doppio effetto Scarico aperto in pos. 0 per stelo	
S	Semplice effetto Scarico aperto in pos. 0 per fondello - leva a tirare	
T	Semplice effetto Scarico aperto in pos. 0 per fondello - leva a spingere	

POSIZIONATORE LEVE

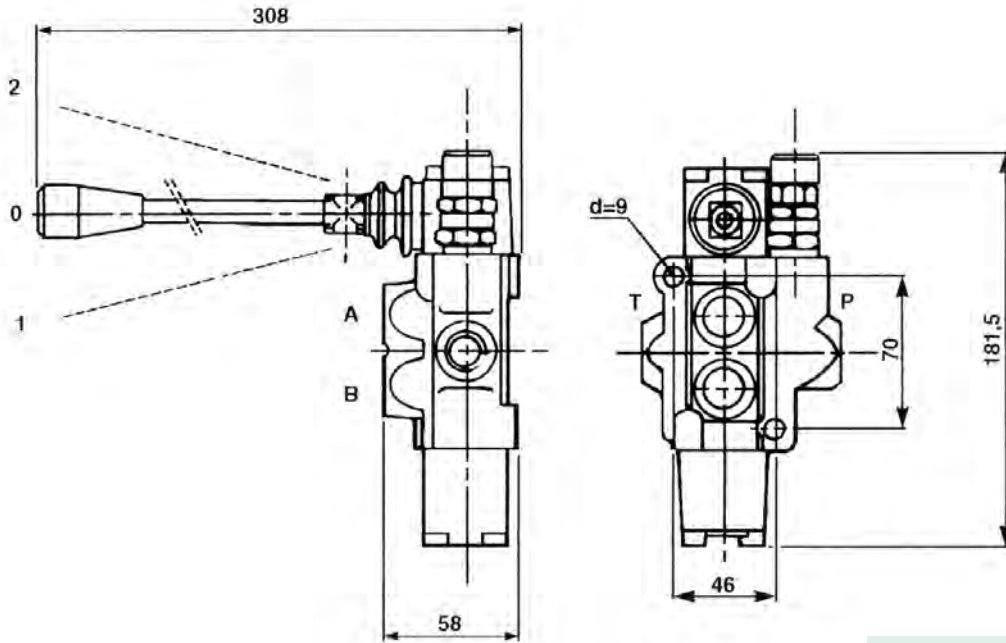
SPOOL CONTROL
 POSITION DES LEVIERS
 KOLBENBETÄTIGUNG
 POSICIÓN DE LA PALANCA

	SCHEMA	DESCRIZIONE
1		Pos. 0 - fissa Pos. 1-2 - ritorno a molla
2		Pos. 0-1 fissa Pos. 2 - ritorno a molla
3		Pos. 0-2 - fissa Pos. 1 - ritorno a molla
4		Pos. 0 - fissa Pos. 2 - ritorno a molla
5		Pos. 0 - fissa Pos. 1 - ritorno a molla
6		Pos. 1 - fissa Pos. 0-2 - ritorno in pos. 1
7		Pos. 2 - fissa Pos. 0-1 - ritorno in pos. 2
8		Pos. 0-1-2 fisse
9		Pos. 0-1 - fisse
10		Pos. 0-2 - fisse
11		Pos. 1-2 - fisse
12		Pos. 0 - fissa Pos. 1-2 - ritorno in pos. 0 Pos. 3 fissa
13		Pos. 0-1-2-3 - fisse

* = di fornitura standard
 ■ = distributori per trattori con pompe a portata variabile JOHN DEERE, VOLVO.
 Distributerurs pour tracteurs avec ompes à débit variable:
 JOHN DEERE - VOLVO - VALMET.
 Distributor valves for JOHN DEERE and VOLVO-VALMET
 Steuergerät für JOHN DEERE und VOLVO-VALMET: mit
 wechselndem Öldurchfluss.

DISTRIBUTORE MONOBLOCCO 1 LEVA 3/8 (TIPO 1)

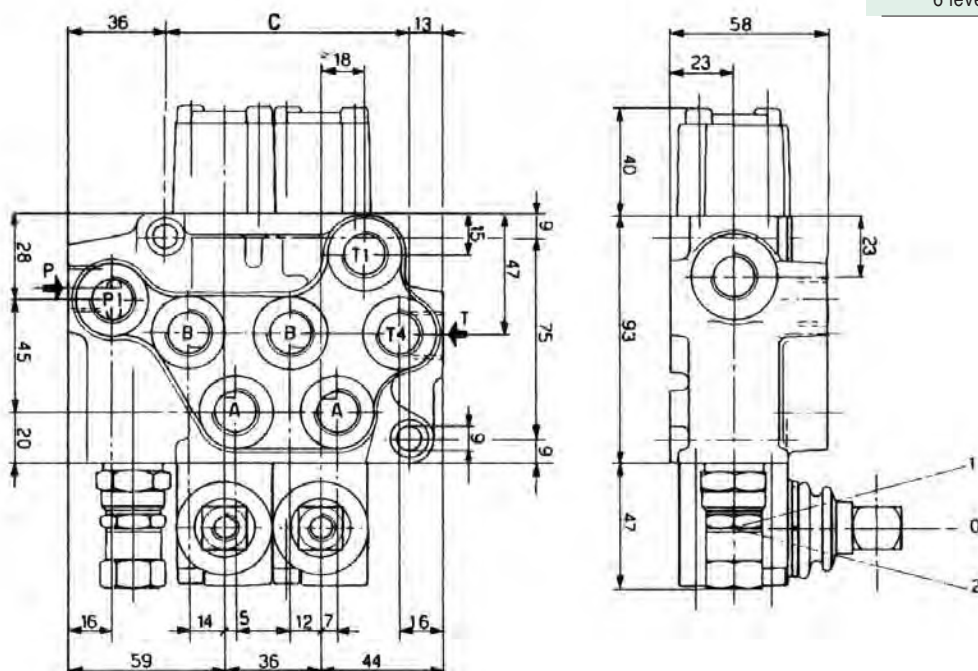
1 LEVER MONOBLOC VALVE 3/8 ITEM 1
 DISTRIBUTEUR MONOBLOC 1 LEVIER 3/8 TYPE 1
 MONOBLOCK 1 HEBEL STEUERGERÄT 3/8 TYP 1
 DISTRIBUIDORES MONOBLOC 1 PALANCA 3/8 (TIPO 1)



DISTRIBUTORE MONOBLOCCO DA 1 A 6 LEVE 3/8 (TIPO 2)

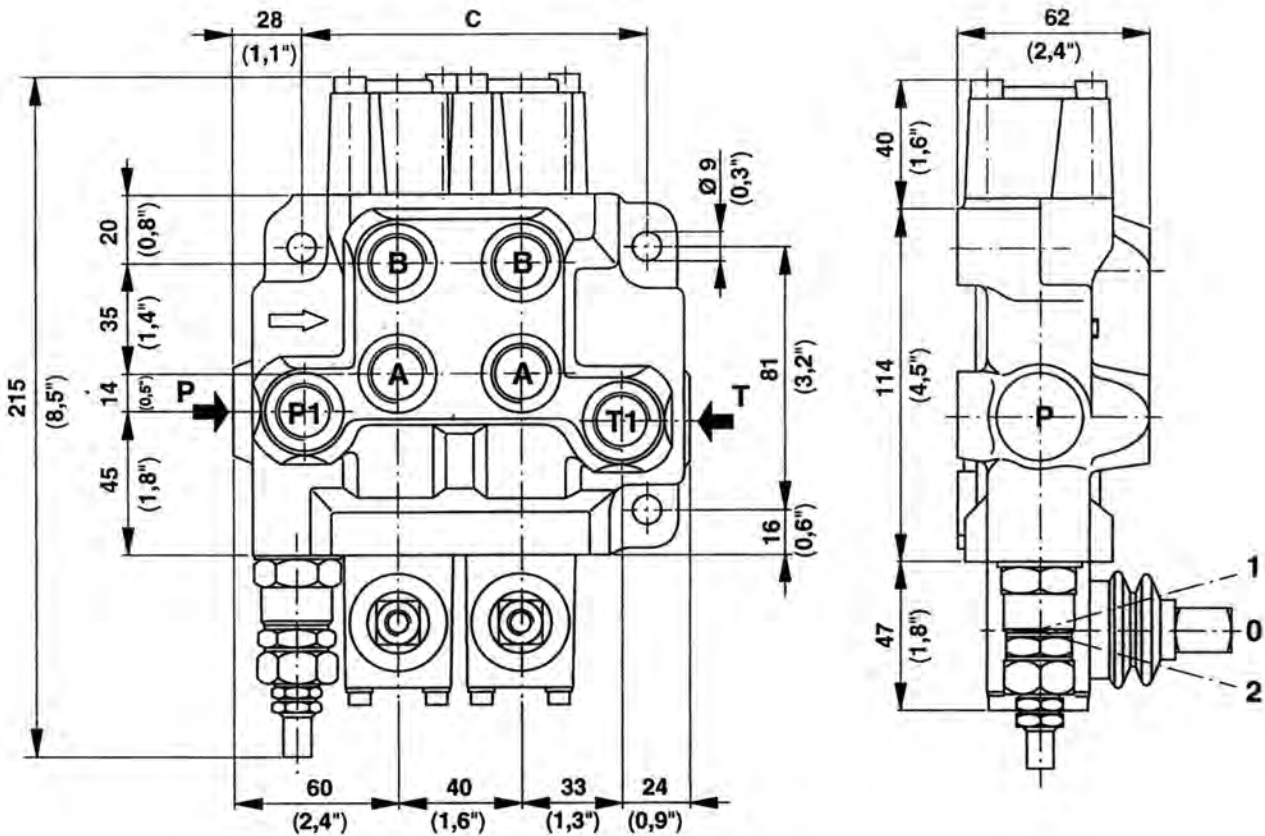
FROM 1 UP TO 6 LEVERS VALVE 3/8 ITEM 2
 DISTRIBUTEUR MONOBLOC DE 1 A 6 LEVIERS 3/8 TYPE 2
 MONOBLOCK 1 BIS 6 HEBEL STEUERGERÄT 3/8 TYP 2
 DISTRIBUIDORES MONOBLOC DA 1 A 6 PALANCA 3/8 (TIPO 2)

Distrib. N. leve	C (mm)
1 leva	54
2 leve	90
3 leve	126
4 leve	162
5 leve	198
6 leve	234



DISTRIBUTORE MONOBLOCCO DA 1 A 6 LEVE DA 1/2 (TIPO 3)

FROM 1 UP TO 6 LEVERS MONOBLOC VALVE 1/2 ITEM 3
 DISTRIBUTEUR MONOBLOC DE 1 A 6 LEVIERS 1/2 TYPE 3
 MONOBLOCK STEUERGERÄT 1/2 1 BIS 6 HEBEL TYP 3
 DISTRIBUIDORES MONOBLOC DE 1 A 6 PALANCA 1/2 TIPO 3



Distrib. N. leve	C (mm)
1 leva	71
2 leve	111
3 leve	151
4 leve	191
5 leve	231
6 leve	271

DISTRIBUTORI A 1 LEVA

ONE LEVER VALVE
 DISTRIBUTEURS A 1 ELEMENT
 1 HEBEL STEUERGERÄT
 DISTRIBUTORES DE 1 PALANCAS

ART.	Tipo	Circuito	Press. max. eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizione leve	Note
MG100010	1	Semplice effetto	180	40	3/8"			circuito standard
MG100011	1	Semplice effetto	180	40	3/8"			muletti
MG100012	1	Doppio effetto	180	40	3/8"			circuito standard
MG100013	1	Doppio effetto	180	40	3/8"			circuito standard
MG100009	1	Doppio effetto	180	40	3/8"			macchina spaccalegna con fermo arresto
MG101017	2	Semplice effetto	180	35	3/8"			circuito standard
MG101018	2	Doppio effetto	180	35	3/8"			circuito standard
MG101019	2	Doppio effetto flottante	180	35	3/8"			ruspe e pale
MG102021	3	Doppio effetto	180	50	1/2"			circuito standard
MG102022	3	Doppio effetto	180	50	1/2"			circuito standard

DISTRIBUTORI A 2 LEVE

TWO LEVER VALVE
 DISTRIBUTEURS A 2 ELEMENTS
 2 HEBEL STEUERGERÄT
 DESTRIUIDORES DE 2 PALANCAS

ART.	TIPO	Circuito	Press. max eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizione leve	Note
MG103010	2	1 ^a leva S.E. 2 ^a leva D.E.	180	35	3/8"			circuiti standard
MG103011	2	1 ^a leva D.E. 2 ^a leva D.E.	180	35	3/8"			circuiti standard
MG103012	2	1 ^a leva S.E. 2 ^a leva D.E. flottante	180	35	3/8"			ruspe e pale
MG103015	3	1 ^a leva D.E. 2 ^a leva D.E.	180	50	3/8"			circuiti standard
MG103014	3	1 ^a leva D.E. 2 ^a leva S.E.	180	50	3/8"			circuiti standard

DISTRIBUTORI A 3 LEVE

THREE LEVER VALVE
 DISTRIBUTEURS A 3 ELEMENTS
 3 HEBEL STEUERGERÄT
 DESTRIUIDORES DE 3 PALANCAS

ART.	TIPO	Circuito	Press. max eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizione leve	Note
MG104010	2	1 ^a - 2 ^a - 3 ^a doppio effetto	180	35	3/8"			circuiti standard
MG104011	2	1 ^a - 2 ^a doppio effetto 3 ^a semplice effetto	180	35	3/8"			circuiti standard
MG104012	2	1 ^a - 2 ^a doppio effetto 3 ^a doppio effetto flottante	180	35	3/8"			ruspe e pale
MG104013	3	1 ^a - 2 ^a - 3 ^a doppio effetto	180	50	1/2"			circuiti standard

DISTRIBUTORI A 4 LEVE

FOUR LEVERS DISTRIBUTORS
 DISTRIBUTEURS A 4 ELEMENTS
 4 HEBEL STEÜERGERÄT
 DESTRIUIDORES DE 4 PALANCAS

ART.	TIPO	Circuito	Press. max eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizionatore	Note
MG105010	2	1 ^a - 2 ^a - 3 ^a - 4 ^a leva Doppio effetto ^a	180	35	3/8"			standard
MG105011	2	1 ^a - 2 ^a - 3 ^a - 4 ^a levanti	250	35	3/8"			4 ^a posiz. flottanti
MG105012	3	1 ^a - 2 ^a - 3 ^a - 4 ^a leva Doppio effetto ^a	180	50	1/2"			standard

DISTRIBUTORI A 5 LEVE

FIVE LEVERS DISTRIBUTORS
 DISTRIBUTEURS A 5 ELEMENTS
 5 HEBEL STEÜERGERÄT
 DESTRIUIDORES DE 5 PALANCAS

ART.	TIPO	Circuito	Press. max eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizione leve	Note
MG106010	2	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a Doppio effetto ^a	180	35	3/8"			circuiti standard
MG106011	3	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a Doppio effetto ^a	180	50	1/2"			circuiti standard

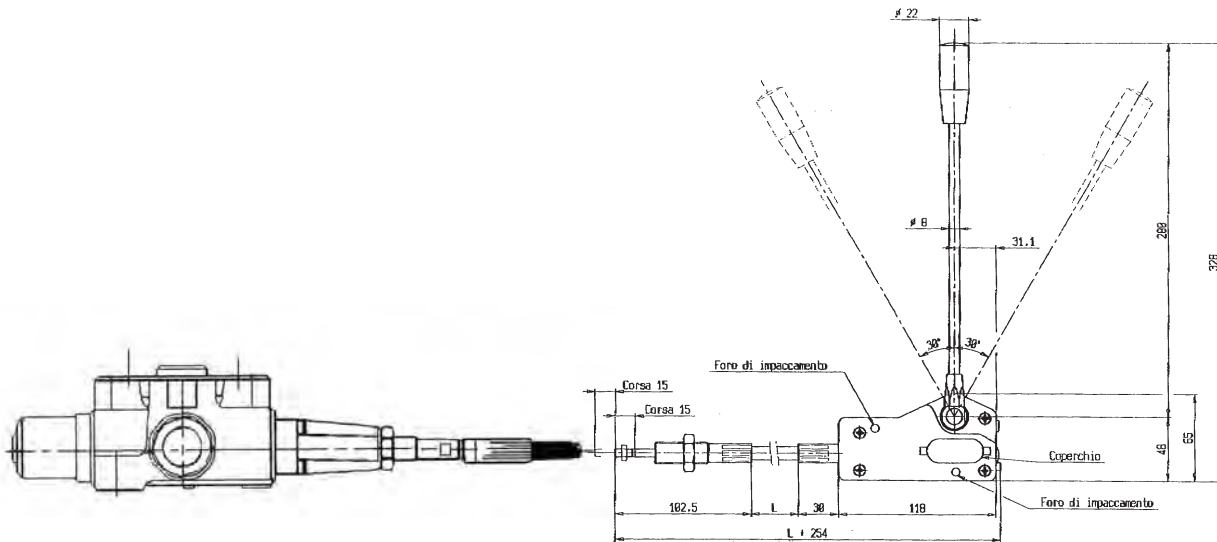
DISTRIBUTORI A 6 LEVE

SIX LEVERS DISTRIBUTORS
 DISTRIBUTEURS A 6 ELEMENTS
 6 HEBEL STEÜERGERÄT
 DESTRIUIDORES DE 6 PALANCAS

ART.	TIPO	Circuito	Press. max eserc. bar	Portata l/1	Attacco nominale	Schema circuito	Schema posizione leve	Note
MG107010	2	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a - 6 ^a Doppio effetto ^a	180	35	3/8"			circuiti standard
MG107010	2	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a - 6 ^a Doppio effetto ^a	180	50	1/2"			circuiti standard

COMANDI A DISTANZA

REMOTE CONTROL HANDELES
 COMMANDES A DISTANCE
 FERNBEDIENUNG
 COMANDO A DISTANCIA

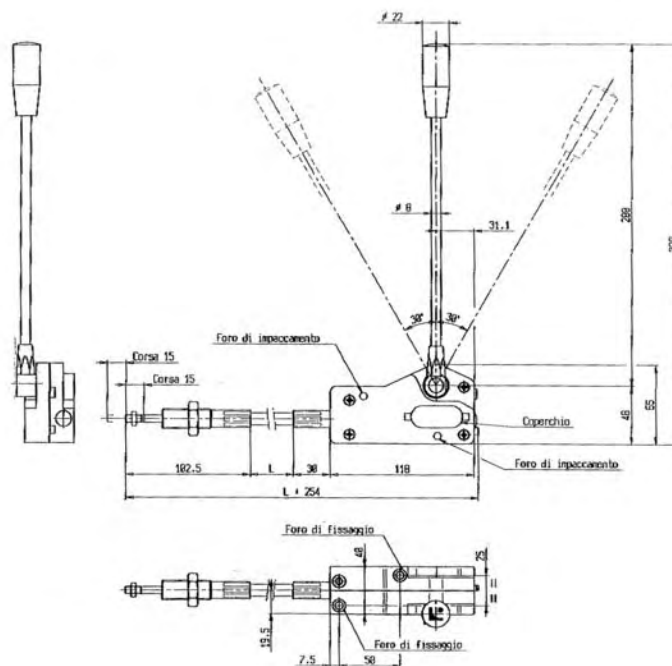


LEVA TELECOMANDO

PILOT RELAYING LEVER
 GROUPE DE COMMANDE
 STEUERGRUPPE
 LEVA TELECOMANDO

ART.

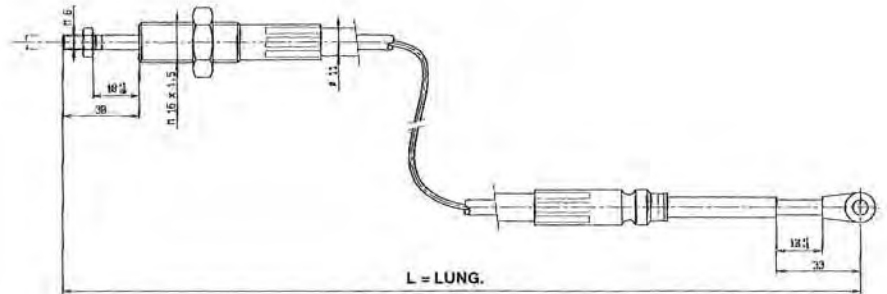
MG120010



CAVO TELECOMANDO

PILOT RELAYING CABLE
 CABLE TELECOMMANDE
 KABEL
 CABLE DEL TELECOMANDO

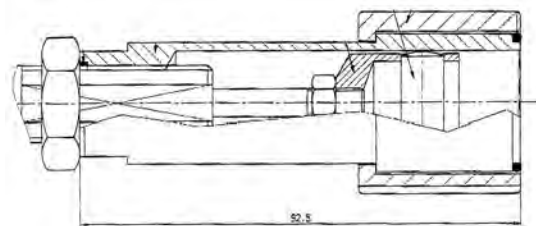
ART.	L = LUNG. MM.
MG122010	1.000
MG122011	1.500
MG122012	2.000
MG122013	2.500
MG122014	3.000
MG122015	3.500
MG122016	4.000
MG122017	4.500



KIT APPLICAZIONE PER DISTRIBUTORE

LINKAGE KIT
 KIT JONCTION POUR DISTRIBUTEUR
 KUPPLUNGSSATZ
 KIT DE APLICACIÓN PARA DISTRIBUIDOR

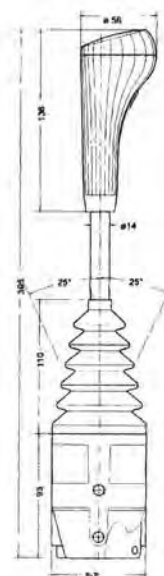
ART.	Applicabile distributori tipo
MG121010	1 - 2 - 3



LEVA TELECOMANDO A CLOCHE

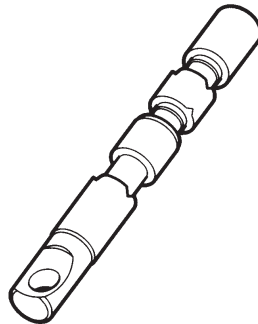
CLOCHE PILOT RELAYING LEVER
 GROUPE DE COMMANDE A CLOCHE
 CLOCHE STEUERGRUPPE
 LEVA TELEMANDO TIPO JOYSTICK

ART.
MG120012

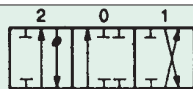


CURSORE RICAMBIO

DISTRIBUTORS SPOOLS
 TIROIRS POUR DISTRIBUTEURS
 SCHIEBER FÜR STEUERGERÄT
 CURSORES PARA DISTRIBUIDORES



SCHEMA CIRCUITO DOPPIO EFFETTO

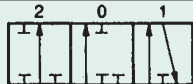


P → A
 B → T
 by-pass ⇐

P ⇐ A ⇐
 T ⇐
 by-pass →

P → A
 A → T
 by-pass ⇐

SCHEMA CIRCUITO SEMPLICE EFFETTO

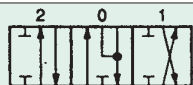


P → A
 B → T
 by-pass ⇐

P ⇐ A ⇐
 T ⇐
 by-pass →

P ⇐ A
 A → T
 by-pass →

SCHEMA CIRCUITO D.E. CENTRO APERTO



P → A
 B → T
 by-pass ⇐

P ⇐
 B, A ⇐
 by-pass →

P → A
 A → T
 by-pass ⇐

ART.	DESCRIZIONE	MODELLO
MG127007	Spola DE Ø 18	1
MG127008	Spola DE Ø 18 SE	1
MG127009	Spola DE cent. aper. Ø 18	1
MG127010	Spola DE	1
MG127017	Spola SE	1
MG127022	Spola DE centro aperto	1
MG127011	Spola DE	2
MG127018	Spola SE	2
MG127012	Spola DE	3
MG127019	Spola SE	3
MG127023	Spola DE centro aperto	3

PORTA LEVA

LEVER PIVOT BOX
BOITE PORTE LEVIER
ALU-DELKEL HEBELSEITING
CARACAS PORTAPALANCA

ART.	ARTICOLO LEVA	INTERASSE FORI (mm)	APPLICABILE A DISTRIBUTORI
MG128010	M 10	37 (4 fori)	Tipo 1 leva
MG128011	M 10	37 (2 fori)	Tipo 2
MG128012	M 10	45	Tipo 3



PORTA POSIZIONATORE STANDARD

STANDARD END CAP
BOITE PORTE POSITIONNEUR STANDARD
ALU-DELKEL
CARACAS PORTA POSICIONES STANDARD

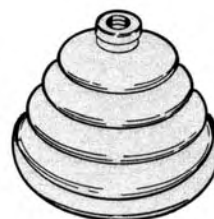
ART.	APPLICABILE A DISTRIBUTORI
MG129010	Tipo 1/2
MG129011	Tipo 3



SOFFIETTO PER LEVA

SHOCK ABSORBER FOR LEVER
SOUFFLET POUR LEVIER
SCHUTZBALG FÜR HEBEL
FUELLE PARA PALANCA

ART.	APPLICABILE A DISTRIBUTORI
MG129012	Tipo 1/2/3



CARRY OVER PER LA CONTINUAZIONE DELLA PRESSIONE

CARRY OVER BUSHING
DOUILLE POUR LA CONTINUATION DE LA LIGNE DE PRESSION
DRUCKWEITERFÜHRUNGBUCHSE
VALVULA PARA CONTINUACIÓN

ART.	APPLICABILE A DISTRIBUTORI
MG131010	Tipo 2
MG131011	Tipo 3



VALVOLA DI RICAMBIO

REPLACEMENT CLAPET
VALVE RECHANGE
ERSAT VENTIL
VALVULA DE RECAMBIO

ART.	DISTRIB. TIPO	PRESSIONE MAX	SIGLA
MG120110	1 - 2 - 3	0/80	X
MG120111	1 - 2 - 3	0/130	Y
MG120112	1 - 2 - 3	0/180	Z
MG120113	1 - 2 - 3	0/250	K
MG120114	1 - 2 - 3	0/300	H



POSIZIONATORI PER DISTRIBUTORE

DISTRIBUTORS SPOOLS CONTROL
POSITIONNEURS POUR DISTRIBUTEURS
RASTUNGEN FÜR STEUERGERÄT
POSICIONADORES PARA DISTRIBUIDORES

ART.	DISTRIB. TIPO	DESCRIZIONE	SCHEMA	SIGLA
MG126010	1 - 3	Pos. 0 fissa Pos. 1-2 ritorno a molla		A
MG126011	1 - 2			
MG126012	1 - 2 - 3	Pos. 0-1 fissa Pos. 2 ritorno a molla		B
MG126016	1 - 2	Pos. 0-2 fissa Pos. 1 ritorno a molla		C
MG1260114	1 - 2 - 3	Pos. 0-1-2 fissa		D



LEVE PER DISTRIBUTORI

DISTRIBUTOR HANDLEVERS
 LEVIER POUR DISTRIBUTEUR
 HEBEL FÜR STEUERGERÄTE
 PALANCA PARA DISTRIBUIDORES

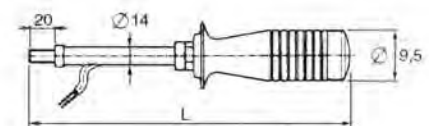
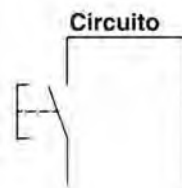


ART.	FIL	LUNG. A
MG132010	10 x 1	180
MG132011	10 x 1	300

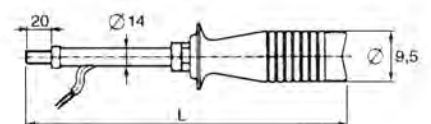
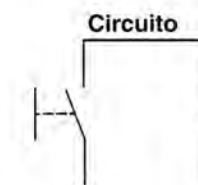
ASTA LEVA CON MICRO

LEVER SHAFT WITH MICRO
 LEVIER AVEC MICROCONTACT
 HEBEL MIT SCHALTER
 PALANCA CON MICRO

ART.	FIL.	L	DESCRIZIONE CIRCUITO
MG133010	M 10	250	N. 1 micro con pulsante. 2 pos. in chiusura tenendo premuto il pulsante



ART.	FIL.	L	DESCRIZIONE CIRCUITO
MG133012	M 10	250	N. 1 micro con pulsante a bilico. 2 pos. conaggancio in chiusura premendo il pulsante

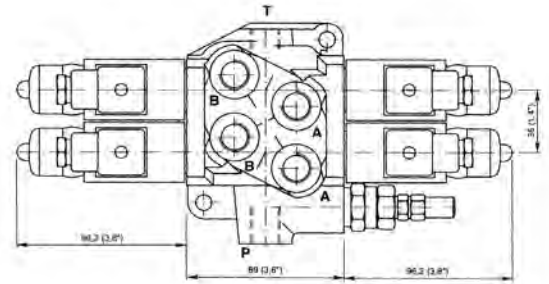


DISTRIBUTORI ELETTRICI TIPO 1 DA 1 A 5 LEVE

ELECTRIC DISTRIBUTORS FROM 1 UP TO 5 LEVERS VALVE 3/8" ITEM 1
 DISTRIBUTEURS ELECTRIQUES TYPE 1 DE 1 A 5 LEVIERS 3/8"
 ELEKTRISCHES STEUERGERAT 1 BIS 5 HEBEL 3/8" TYP 1
 DISTRIBUIDORES ELECTRICOS DA 1 A 5 PALANCA 3/8" TIPO 1

CARATTERISTICHE:

TEMPERATURE ESTREME DI IMPIEG: -25°C / +80°C
 POTENZA ASSORBITA: 36 WATT - ALIMENTAZIONE: 12 VOLT



DISTRIBUTORE ELETTRICO A 1 LEVA

ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138010	1	1 ^a leva Doppio effetto	180	40	3/8"	12 V		

DISTRIBUTORE ELETTRICO A 2 LEVE

ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138011	1	1 ^a - 2 ^a leva Doppio effetto	180	40	3/8"	12 V		

DISTRIBUTORE ELETTRICO A 3 LEVE

ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138012	1	1 ^a - 2 ^a - 3 ^a leva Doppio effetto	180	40	3/8"	12 V		

DISTRIBUTORE ELETTRICO A 4 LEVE

ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138013	1	1 ^a - 2 ^a - 3 ^a - 4 ^a - leva Doppio effetto	180	40	3/8"	12 V		

DISTRIBUTORE ELETTRICO A 5 LEVE

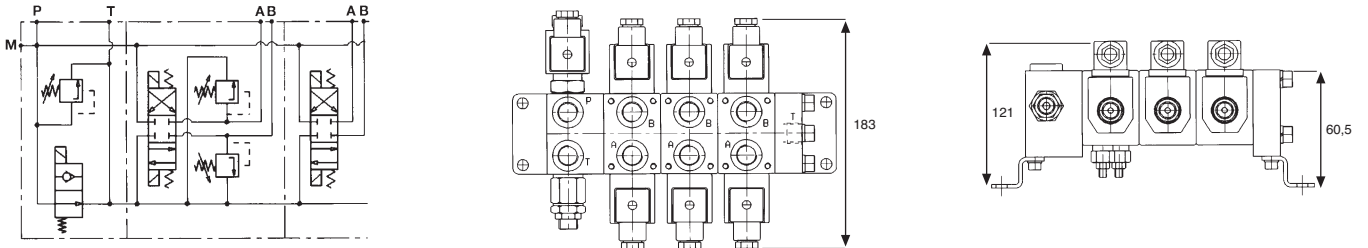
ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138014	1	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a - leva Doppio effetto	180	40	3/8"	12 V		

DISTRIBUTORE ELETTRICO A 6 LEVE

ART.	Modello	Circuito	Press. max. eserc. bar	Portata l/1'	Attacco nominale	Tensione funzion.	Schema circuito	Schema posizione leve
MH138015	1	1 ^a - 2 ^a - 3 ^a - 4 ^a - 5 ^a - 6 ^a - leva Doppio effetto	180	40	3/8"	12 V		

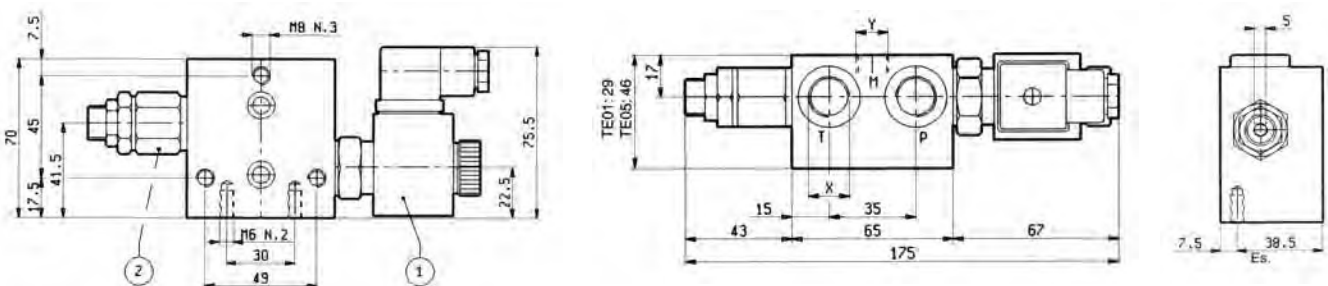
ELETTRODISTRIBUTORE COMPONIBILE 3/8" (30 LITRI)

MODULAR ELECTRIC DISTRIBUTOR 3/8" (30 LITRES)
 ÉLECTRODISTRIBUTEUR PAR ÉLÉMENTS 3/8" (30 LITRES)
 MODULAR-ELEKTROWEGEVENTIL
 ELECTRO-DISTRIBUIDOR MODULAR 3/8" (30 LITRES)

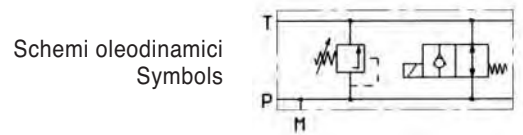


FIANCATA D'INGRESSO CON VALVOLA DI MAX E VIEI

INLET SIDE WITH MAX VALVE
 JOUE D'ENTRE A VEC CLAPET
 ENGANGSTEITE MIT ÜBEDRUCKVENTIL
 LADO DE ENTRADA EN VALV. MAX



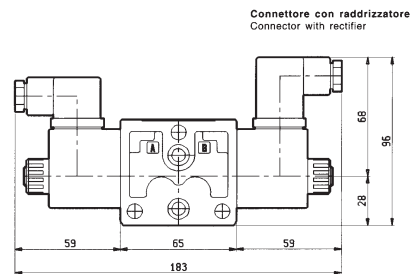
ART.	TENSIONE	Ø FIL
MK150011	12 V	3/8"
MK150009	24 V	3/8"



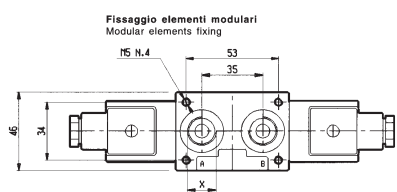
ELEMENTO MODULARE

MODULAR ELEMENT
 ÉLÉMENT MODULAIRE
 MODULARELEMENT
 ELEMENTO MODULAR

ART.	TENSIONE
MK150020	12 V
MK150022	24 V

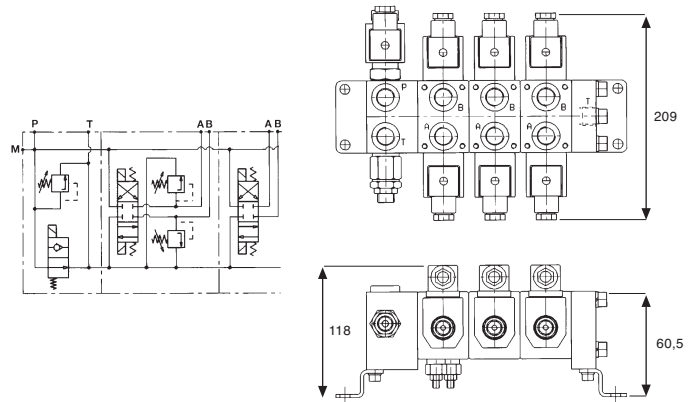


Sigla Code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
B2		



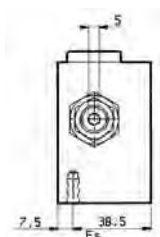
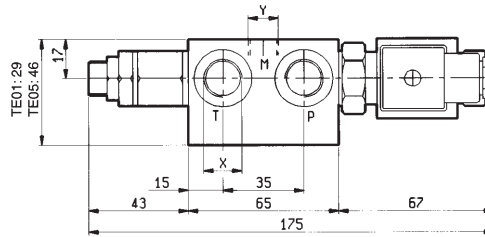
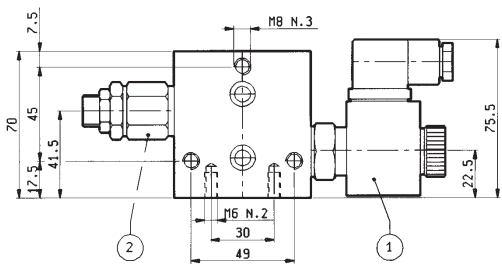
ELETTRODISTRIBUTORE COMPONIBILE 3/8" (50 LITRI MAX)

MODULAR ELECTRIC DISTRIBUTOR 3/8" (50 LITRES)
 ÉLECTRODISTRIBUTEUR PAR ÉLÉMENTS 3/8" (50 LITRES)
 MODULAR-ELEKTROWEVENTIL
 ELECTRO-DISTRIBUIDOR MODULAR 3/8" (50 LITRES)



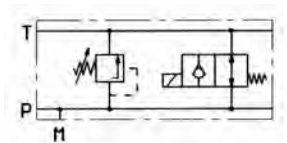
FIANCATA D'INGRESSO CON VALVOLA DI MAX E VEI

INLET SIDE WITH MAX VALVE
 JOUE D'ENTRÉE AVEC CLAPET
 EINGANGSTEITE MIT ÜBEDRUCKVENTIL
 LADO DE ENTRADA EN VALV. MAX



ART.	TENSIONE	Ø FIL
MK150030	12 V	3/8"
MK150032	24 V	3/8"

Schemi oleodinamici
Symbols

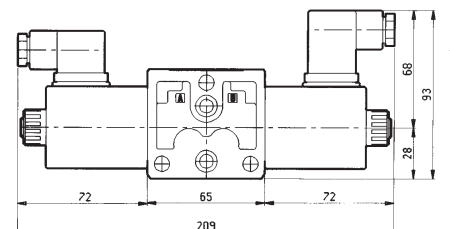


ELEMENTO MODULARE

MODULAR ELEMENT
 ÉLÉMENT MODULAIRE
 MODULARELEMENT
 ELEMENTO MODULAR

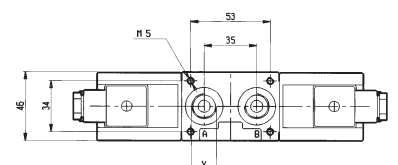
ART.	TENSIONE
MK150034	12 V
MK150036	24 V

Connettore con raddrizzatore
Connector with rectifier



Sigla Code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
B2		

Fissaggio elementi modulari
Modular elements fixing



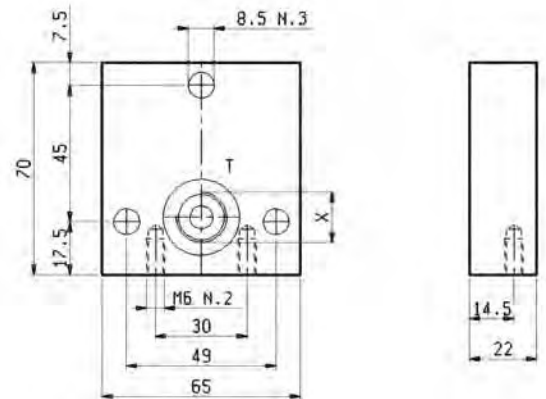
FIANCATA D'USCITA

OUTLET SIDE
JOUE DE SORTIE
AUSGANGSSEITE
LADO DE SALIDA

ART.

MK150012

Schemi oleodinamici
Symbols

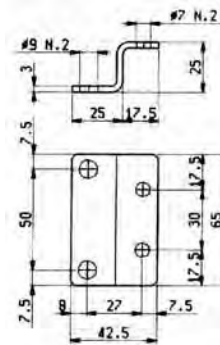


STAFFE DI SUPPORTO

BRACKETS
GACHE DE SUPPORT
DÜGEL
SOPORTES

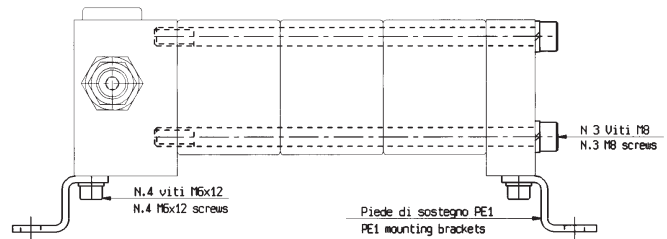
ART.

MK150010



SOLUZIONE DI MONTAGGIO

ASSEMBLING OPTIONS
OPTION DE MONTAGE
MONTAGE-OPTIONEN
SOLUCIÓN DE MONTAJE



CONNETTORE PER ELETTROVALVOLE

CONNECTOR FOR ELECTRIC VALVES
CONNECTEUR POUR CONTROLE DIRECTION
STECKER FÜR ELECTROVENTILEN
CONECTOR PARA ELECTROVÁLVULA

ART.

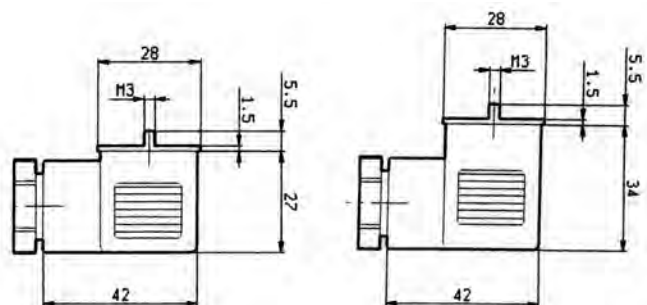
TIPO

MH144010

standard

MH144012

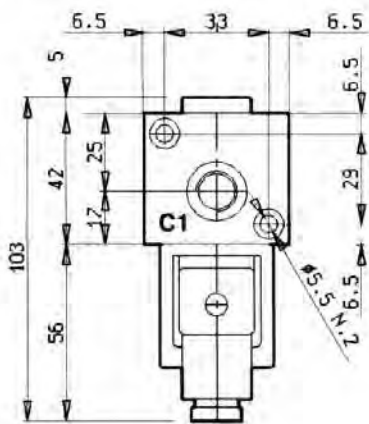
C/led + Rad



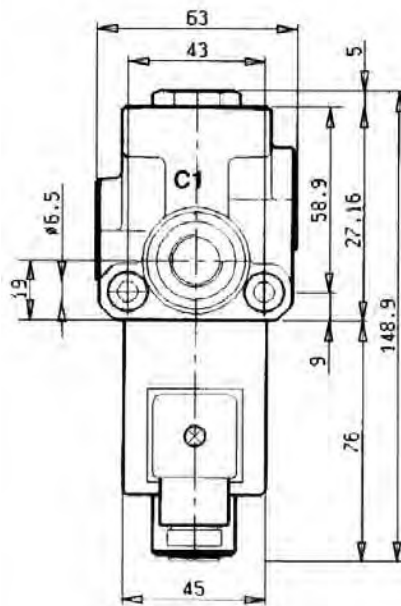
DEVIATORI A 3 VIE A COMANDO ELETTRICI

FLOW SELECTOR A 3 WAYS ELECTRIC CONTROL
 DIVISEUR A 3 VOIES A COMMANDE ELECTRIQUE
 UMSCHAL VENTIL 3-WEG
 DEVIDOR DE 3 VIAS CON COMANDO ELETRICO

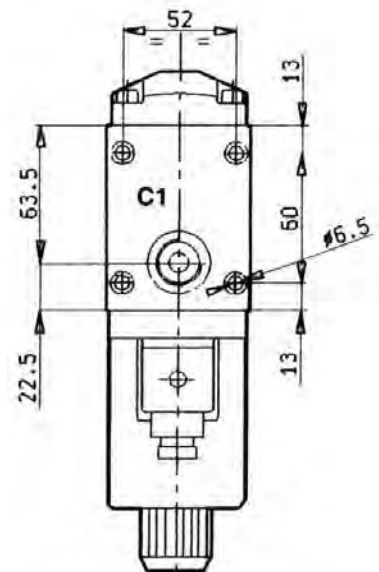
ART.	Portata L/1	Attacco nominale	Press. max. eserc. day	Circuito	Volt
MI148010	25	1/4"	300		12VDC
MI148011	50	3/8"	300		12VDC
MI148012	90	1/2"	300		12VDC
MI148013	100	3/4"	300		12VDC



ART.
MI148010



ART.
MI148011

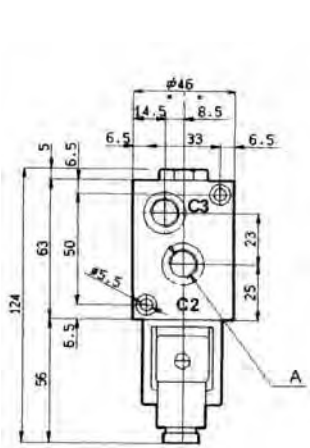


ART.
MI148012
MI148013

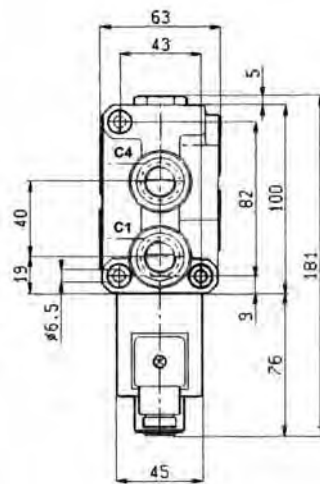
DEVIATORI A 6 VIE A COMANDO ELETTRICI

FLOW SELECTOR A 6 WAYS ELECTRIC CONTROL
 DIVISEUR A 6 VOIES A COMMANDE ELECTRIQUE
 UMSCHAL VENTIL 6-WEG
 DEVIDOR DE 6 VIAS CON COMANDO ELETRICO

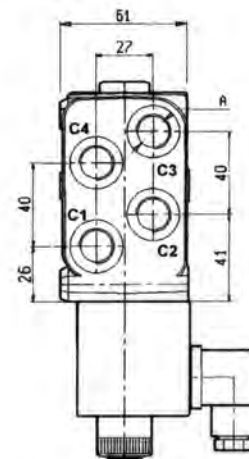
ART.	Portata L/1	Attacco nominale	Press. max.eserc. day	Circuito	Volt
MI150010	25	1/4"	300		12VDC
MI150011	50	3/8"	300		12VDC
MI150012	50	1/2"	300		12VDC
MI150013	90	1/2"	300		12VDC
MI150014	100	3/4"	300		12VDC



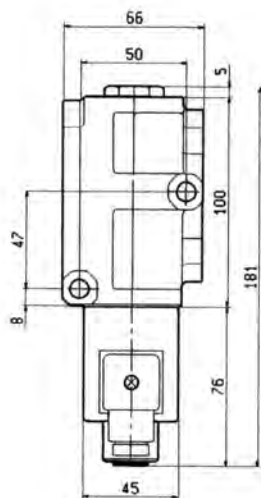
ART.
MI150010



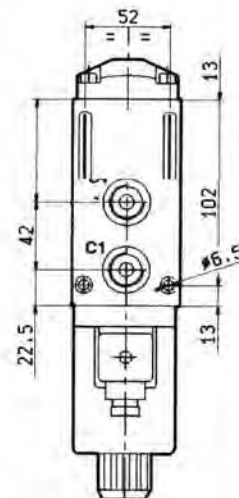
ART.
MI150011



ART.
MI150012



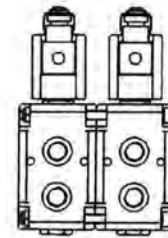
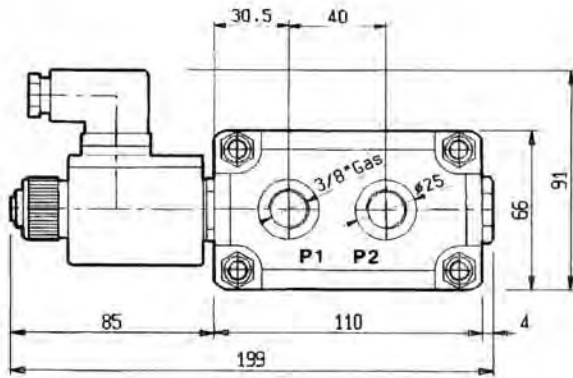
ART.
MI150013



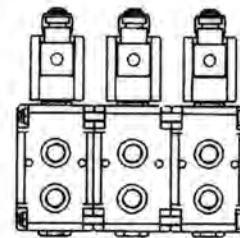
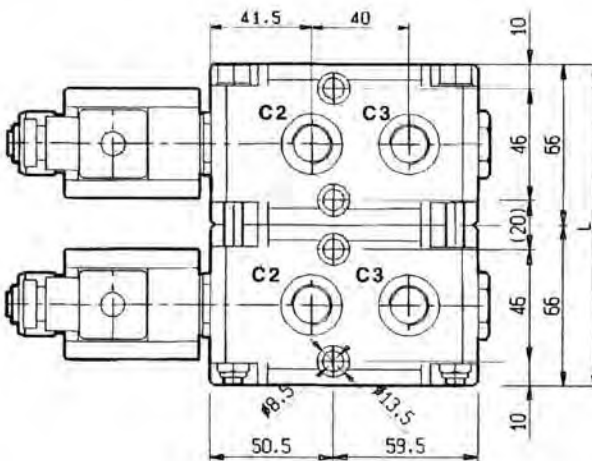
ART.
MI150014

DEVIATORI ELETTRICI MODULARI DA 3/8"

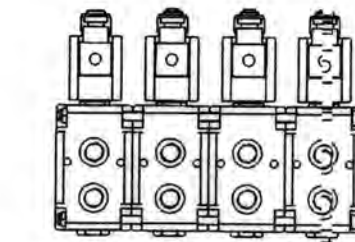
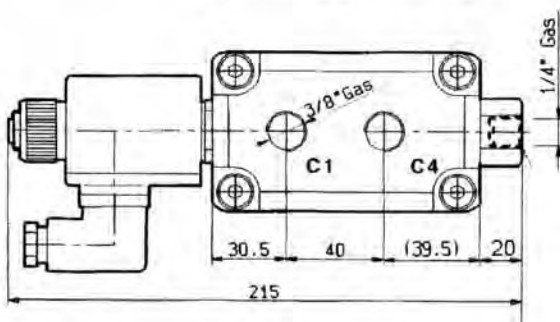
ELECTRIC MODULAR FLOW SELECTOR
 DEVIATEURS ELECTRIQUES MODULAR
 EL ABLEN KER
 DEVIADORES ELECTRICOS MODLARES



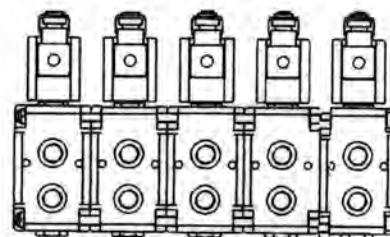
8 VIE
 8 WAY
 8 VOIES
 8 WEGE
 8 VIAS



10 VIE
 10 WAY
 10 VOIES
 10 WEGE
 10 VIAS



12 VIE
 12 WAY
 12 VOIES
 12 WEGE
 12 VIAS

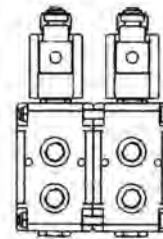
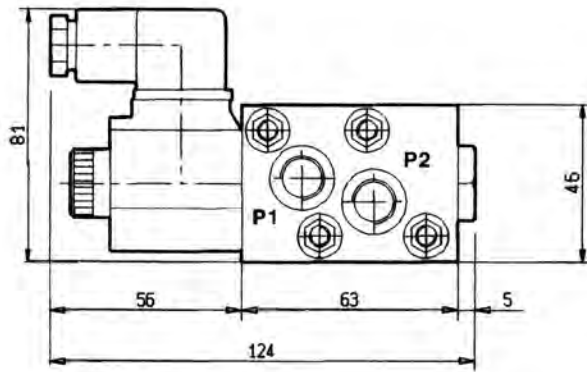


14 VIE
 14 WAY
 14 VOIES
 14 WEGE
 14 VIAS

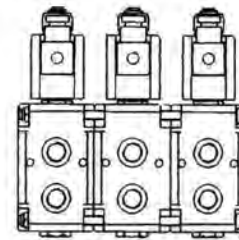
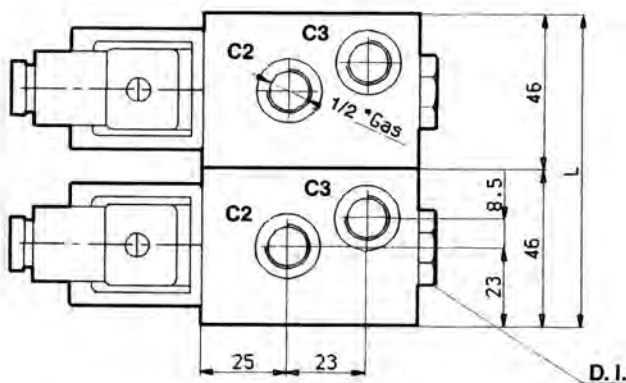
ART.	vie - way - voies wege - vias	Attacco nominale	L (mm)	Volt	Circuito
MI152010	6	3/8"	66	12VDC	
MI152020	6	3/8"	66	24VDC	
MI152011	8	3/8"	132	12VDC	
MI152012	10	3/8"	198	12VDC	
MI152013	12	3/8"	264	12VDC	
MI152014	14	3/8"	330	12VDC	

DEVIATORI ELETTRICI MODULARI DA 1/2

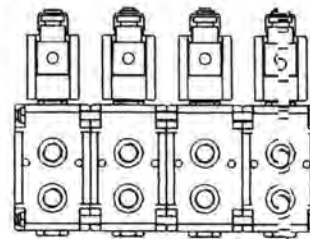
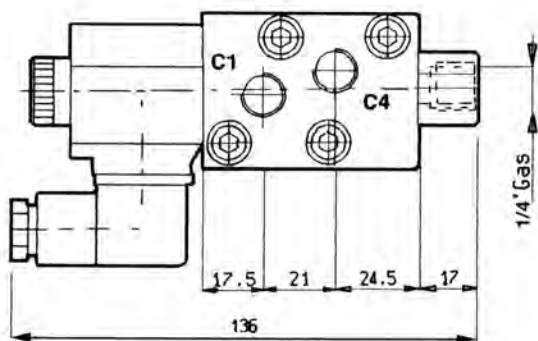
ELECTRIC MODULAR FLOW SELECTOR
 DEVIATEURS ELECTRIQUES MODULAR
 EL ABLEN KER
 DEVIADORES ELECTRICOS MODLARES



8 VIE
 8 WAY
 8 VOIES
 8 WEGE
 8 VIAS



10 VIE
 10 WAY
 10 VOIES
 10 WEGE
 10 VIAS

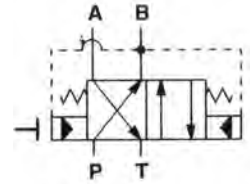


12 VIE
 12 WAY
 12 VOIES
 12 WEGE
 12 VIAS

ART.	vie - way - voles wege - vias	Attacco nominale	L (mm)	Volt	Circuito
MI154010	6	1/2"	66	12VDC	
MI154011	8	1/2"	132	12VDC	
MI154012	10	1/2"	198	12VDC	
MI154013	12	1/2"	264	12VDC	
MI154014	14	1/2"	310	12VDC	

VALVOLE DI COMMUTAZIONE AUTOMATICA

AUTOMATIC INVERSION VALVES
 CLAPET DE COMMUTATION AUTOMATIQUE
 MODULARELEMENT
 ELEMENTO MODULAR



Caratteristiche

Sono valvole a doppio effetto in grado di commutare automaticamente la direzione del flusso dell'olio. Il movimento è completamente idraulico e avviene normalmente a fine corsa del cilindro. In caso di arresto della manovra si ripristina automaticamente la posizione P>b.

Caratteristiche tecniche

Grandezza: ISO 400: - AC - 05 - 4 - A
 DIN 24 340 NG NFPA D05 CETOP 5
 Portata minima: 10 l/min.
 Portata massima: 80 l/min.
 Pressione minima d'esercizio: 60 bar
 Pressione massima d'esercizio: 250 bar

Viti di fissaggio:

N°4 DIN 912-8.8 M6 x 35
 Momento massimo di serraggio: 10 Nm

Features

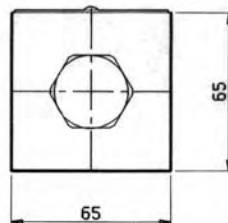
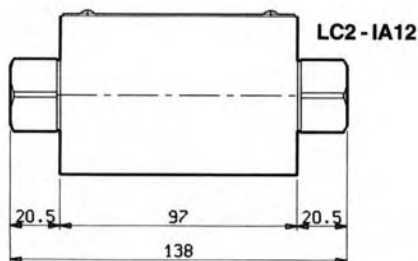
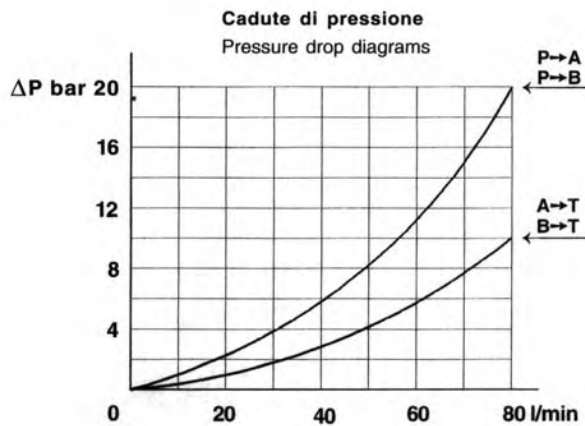
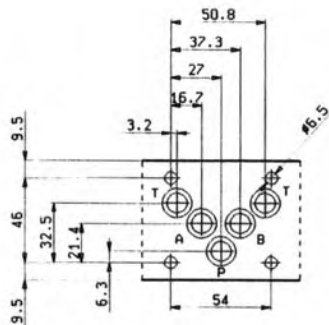
These are double-acting valves which automatically change-over the oil flow direction. The motion is completely automatic and normally takes place when the cylinder its end of stroke. In case the movement is stopped the valve resets automatically back to P>B.

Technical characteristics

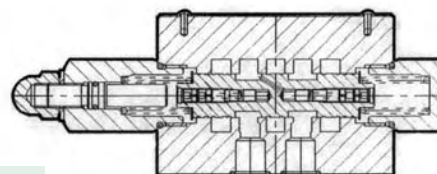
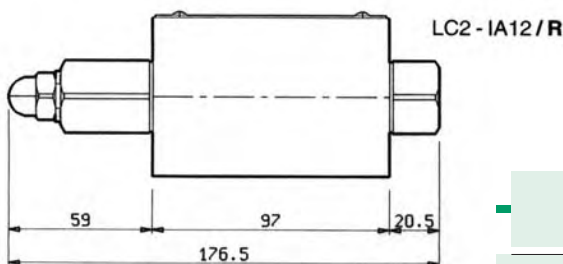
Size: ISO 400: - AC - 05 - 4 - A
 DIN 24 340 NG NFPA D05 CETOP 5
 Min flow: 10 l/min.
 Max flow: 80 l/min.
 Min operation pressure: 60 bar
 Max operation pressure: 250 bar

Fixin screws:

N°4 DIN 912-8.8 M6 x 35
 Maximum blocking torque : 10 Nm



Peso • Weight
2,85 Kg



ART.
 MI156010

Trafilamento max. interno: 0,7 l/min
 Max. internal leakage: 0,7 l/min

ELETTROVALVOLE CETOP 2

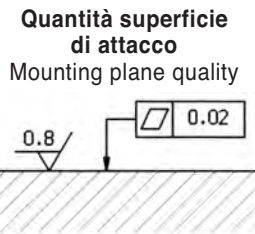
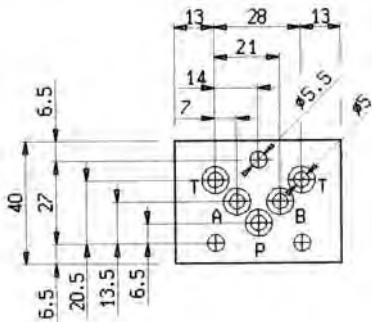
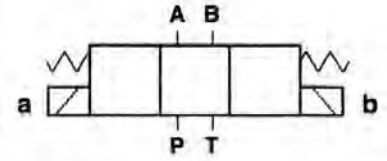
ELECTRIC VALVES CETOP 2
 CONTROLE DIRECTION CETOP 2
 ELECTROVENTILEN CETOP 2
 ELECTROVÁLVULA CETOP 2

Caratteristiche tecniche

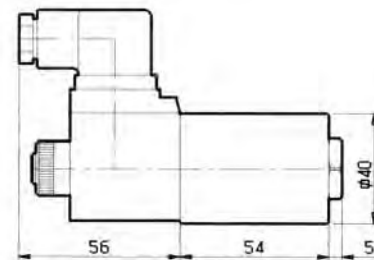
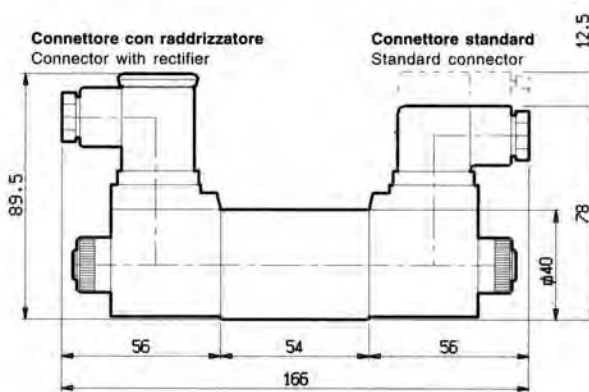
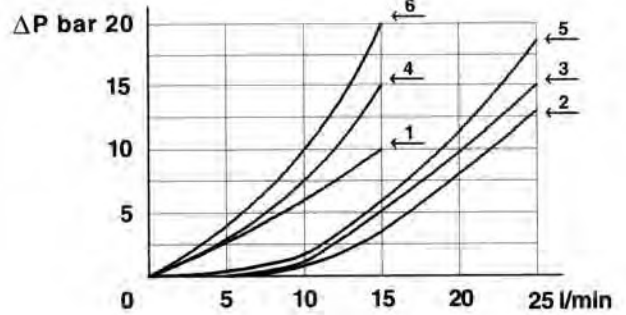
Grandezza: ISO 228 CETOP RP 121
 H-4-2-4-PO2 CETOP2
 Portata massima: 20 l/min.
 Pressione massima d'esercizio su A-B-P: 300 bar
 Pressione massima in T:
 dinamica = 180 bar - statica = 210 bar

Technical characteristics

Size: ISO 228 CETOP RP 121
 H-4-2-4-PO2 CETOP2
 Max flow: 20 l/min.
 Min operation pressure on A-B-P: 300 bar
 Max pressure in T:
 dynamic = 180 bar - static = 210 bar



Cadute di pressione - Pressure drop



ART. 12VDC	ART. 24VDC	Sigla Code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
MK158013	MK158113	A2		
MK158010	MK158110	B2		
MK158011	MK158111	C2		
MK158016	MK158116	D2		
MK158012	MK158112	E2		
MK158014	MK158114	C11A		
MK158015	MK158115	A11C		

ELETTROVALVOLE CETOP 3

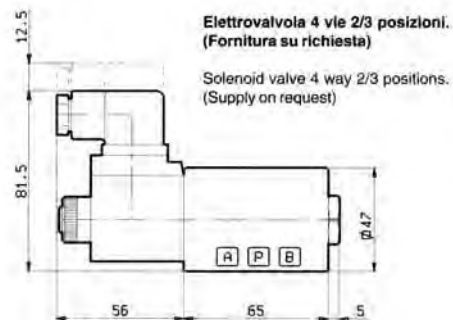
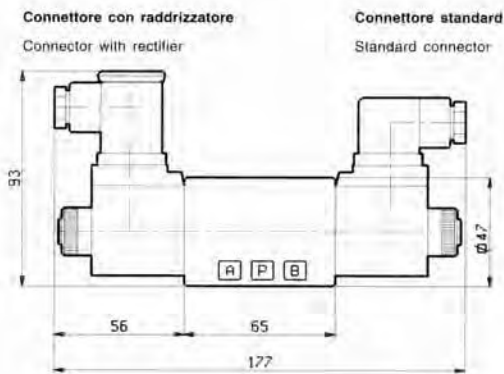
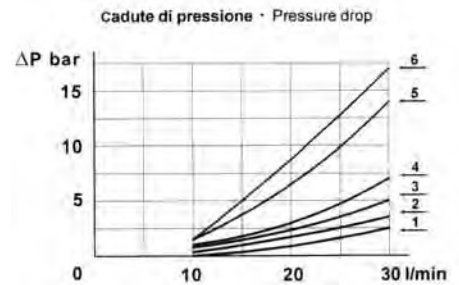
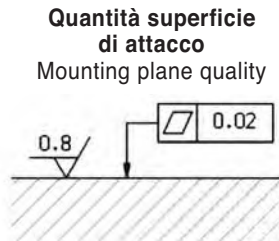
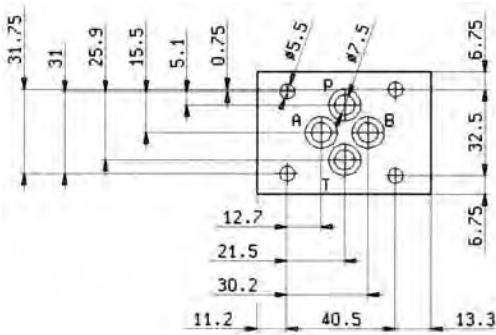
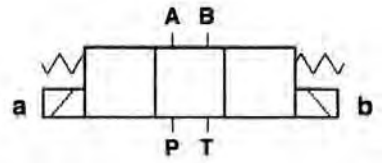
ELECTRIC VALVES CETOP 3
 CONTROLE DIRECTION CETOP 3
 ELECTROVENTILEN CETOP 3
 ELECTROVÁLVULA CETOP 3

Caratteristiche tecniche

Grandezza: ISO 4401 DIN 24 340 NG6
 NFPA D03 CETOP3
 Portata massima: 30 l/min.
 Pressione massima d'esercizio su A-B-P: 250 bar
 Pressione massima in T:
 dinamica = 180 bar - statica = 210 bar

Technical characteristics

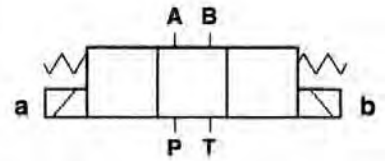
Size: ISO 4401 DIN 24 340 NG6
 NFPA D03 CETOP3
 Max flow: 30 l/min.
 Min operation pressure on A-B-P: 250 bar
 Max pressure in T:
 dynamic = 180 bar - static = 210 bar



ART. 12VDC	ART. 24VDC	Sigla Code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
MK159013	MK159033	A2		
MK159010	MK159030	B2		
MK159011	MK159031	C2		
MK159017	MK159036	D2		
MK159012	MK159032	E2		
MK159015	MK159035	C11A		
MK159014	MK159034	A11C		
MK159018	MK159016	A11A		

ELETTROVALVOLE CETOP 3

ELECTRIC VALVES CETOP 3
 CONTROLE DIRECTION CETOP 3
 ELECTROVENTILEN CETOP 3
 ELECTROVÁLVULA CETOP 3



Caratteristiche tecniche

Grandezza: ISO 4401 DIN 24 340 NG6
 NFPA D03 CETOP3

Corrente alternata
 Portata massima: 60 l/min.
 Pressione massima d'esercizio su A-B-P: 250 bar
 Pressione massima in T:
 dinamica = 160 bar - statica - 180 bar

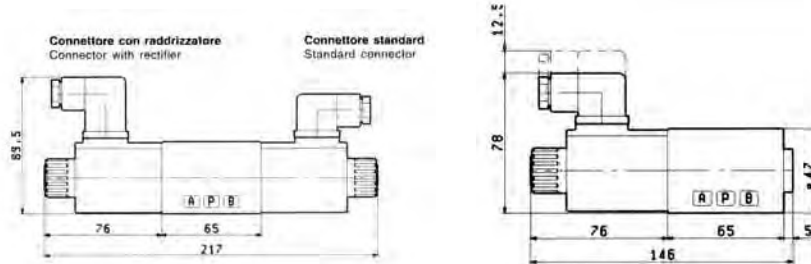
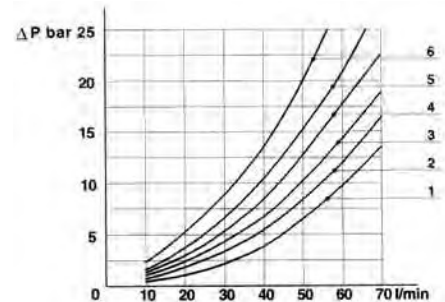
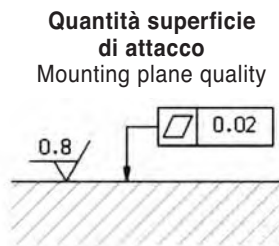
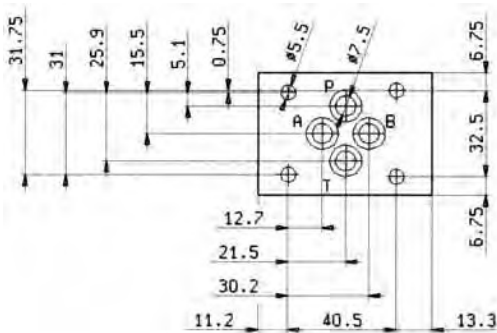
Corrente continua
 Portata massima: 70 l/min.
 Pressione massima d'esercizio su A-B-P: 310 bar
 Pressione massima in T:
 dinamica = 250 bar - statica - 310 bar

Technical characteristics

Size: ISO 4401 DIN 24 340 NG6
 NFPA D03 CETOP3

A.C. Version:
 Max flow: 60 l/min.
 Min operation pressure on A-B-P: 250 bar
 Max pressure in T:
 dynamic = 160 bar - static = 180 bar

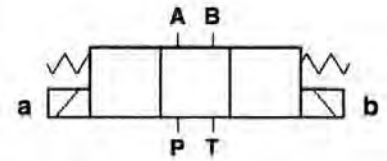
D.C. Version:
 Max flow: 70 l/min.
 Min operation pressure on A-B-P: 310 bar
 Max pressure in T:
 dynamic = 250 bar - static = 310 bar



ART. 12VDC	ART. 24VDC	Sigla Code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
MK160013	MK160113	A2		
MK160010	MK160110	B2		
MK160011	MK160111	C2		
MK160016	MK160116	D2		
MK160012	MK160112	E2		
MK160015	MK160114	C11A		
MK160014	MK160115	A11C		

ELETTROVALVOLE CETOP 5

ELECTRIC VALVES CETOP 5
 CONTROLE DIRECTION CETOP 5
 ELECTROVENTILEN CETOP 5
 ELECTROVÁLVULA CETOP 5



Caratteristiche tecniche

Grandezza: ISO 4401 - AC - 05-4-A
 DIN 24 340 NG NFPA D05 CETOP 5

Corrente alternata
 Portata massima: 100 l/min.
 Pressione massima d'esercizio su A-B-P: 310 bar
 Pressione massima in T:
 dinamica = 140 bar - statica - 210 bar

Corrente continua
 Portata massima: 120 l/min.
 Pressione massima d'esercizio su A-B-P: 310 bar
 Pressione massima in T:
 dinamica = 250 bar - statica - 300 bar

Technical characteristics

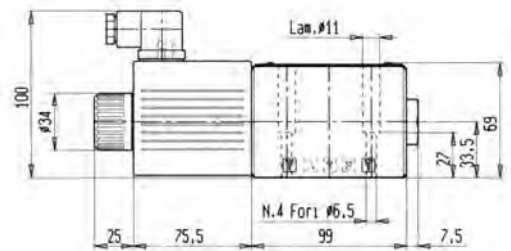
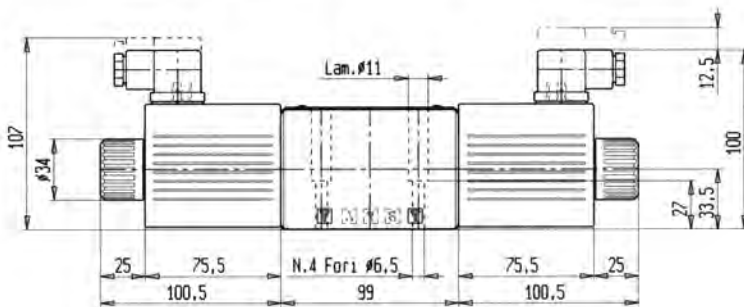
Size: ISO 4401 - AC - 05-4-A
 DIN 24 340 NG NFPA D05 CETOP 5

A.C. Version:
 Max flow: 100 l/min.
 Min operation pressure on A-B-P: 310 bar
 Max pressure in T:
 dynamic = 140 bar - static = 310 bar

D.C. Version:
 Max flow: 120 l/min.
 Min operation pressure on A-B-P: 310 bar
 Max pressure in T:
 dynamic = 250 bar - static = 300 bar

Connettore con raddrizzatore
 Connector with rectifier

Connettore standard
 Standard connector



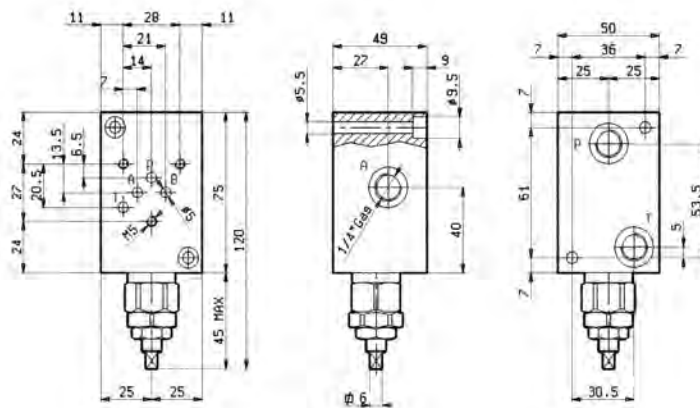
ART. 12VDC	ART. 24VDC	Nuovo codice New code	Vecchio codice Old code	Simbolo Circuit	Direzione del flusso durante il passaggio al centro Oil direction during shift
MK164013	MK164113	A201	A2		
MK164010	MK164110	B201	B2		
MK164011	MK164111	C201	C2		
MK164016	MK164116	D201	D2		
MK164012	MK164112	E201	E2		
MK164015	MK164114	C301	C11A		
MK164014	MK164115	Y301	A11C		

**PIASTRA MONOBLOCCO ATTACCHI LATERALI
CIRCUITO IN PARALLELO CETOP 2**

MONOBLOCK PLATE, LATERAL ATTACKS, PARALLEL CIRCUIT CETOP 2
 PLAQUE MONOBLOC ATTAQUES LATERAL CETOP 2
 MONOBLOCK-PLATTE M/SEITLICHEN ANSCHLUESSEN PARALLELKREIS CETOP 2
 PLACA MONOBLOC, ATAQUE LATERAL, CIRCUITO PARALELO CETOP 2

PIASTRE SINGOLE - SINGLE PLATES

Tipo con valvola limitatrice di pressione VM4 incorporata (attacchi AB laterali opposti)
 Type including VM4 pressure relief valve (opposite lateral AB ports)

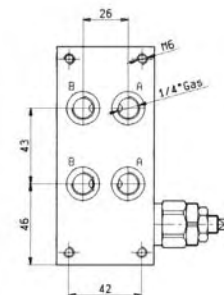
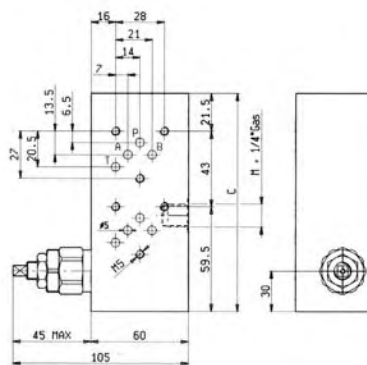
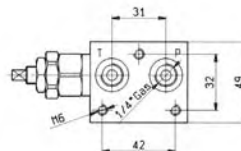
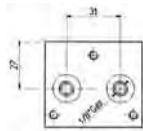
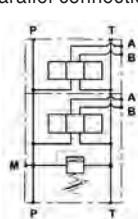


ART.

MK167020

PIASTRE MODULARI - MODULAR SUB-PLATES

Collegamento in parallelo
 Parallel connection

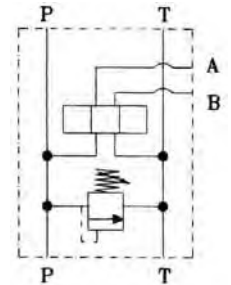


ART.	Tipo di piastra modulare Type of modular mounting plate	Nr. elettrovalvole No of valves	C mm
MK167021	Con valvola limitatrice di pressione VM4	2	124
MK167022	With pressure relief valve VM4	3	167
MK167023		4	210

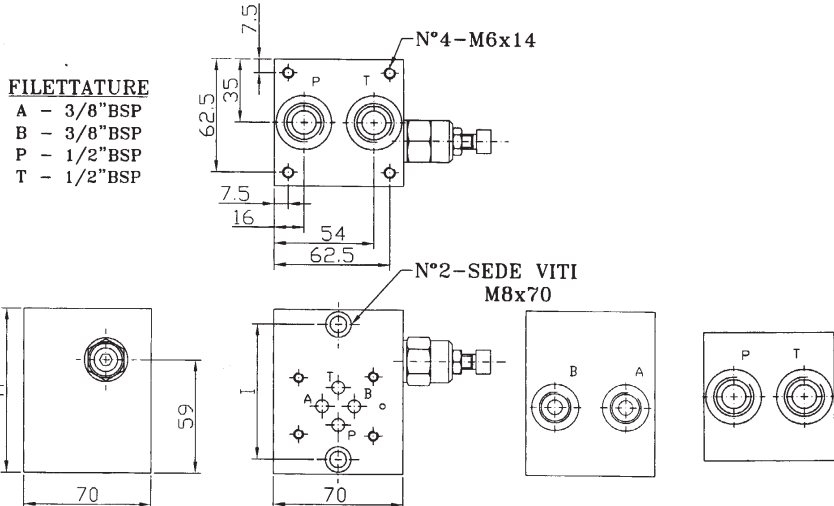
**PIASTRA MONBLOCCO ATTACCHI LATERALI
CIRCUITO IN PARALLELO CETOP 3**

MONOBLOCK PLATE, LATERAL ATTACKS, PARALLEL CIRCUIT CETOP 3
 PLAQUE MONOBLOC ATTAQUES LATERAL CETOP 3
 MONOBLOCK-PLATTE M/SEITLICHEN ANSCHLUESSEN PARALLELKREIS
 PLACA MONOBLOC, ATAQUE LATERAL CIRCUITO PARALLELO

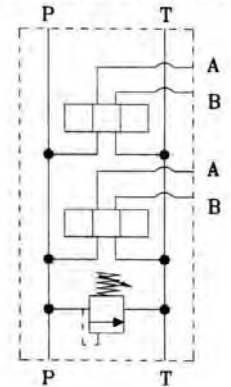
Schemi oleodinamici
Symbols



**BASE CON VALVOLA
USCITE LATERALI**

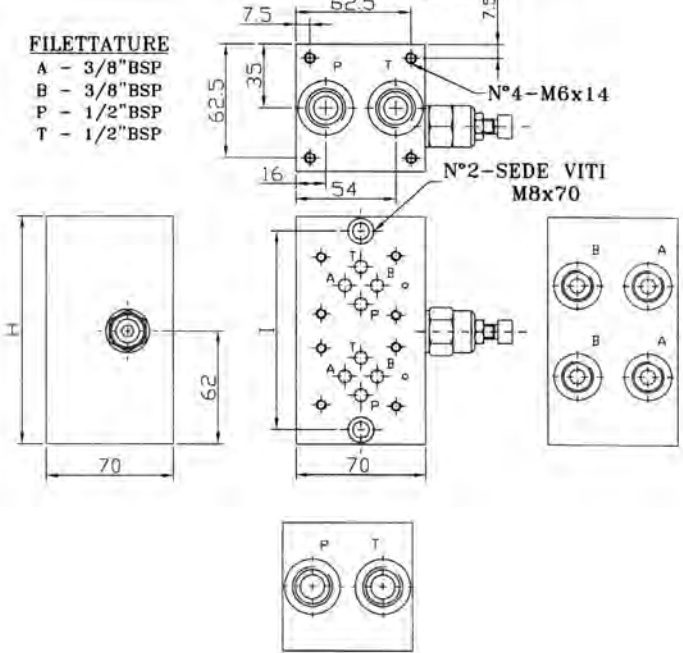


Schemi oleodinamici
Symbols



ART.	N. POS.	I	H
MK168010	1	74	90

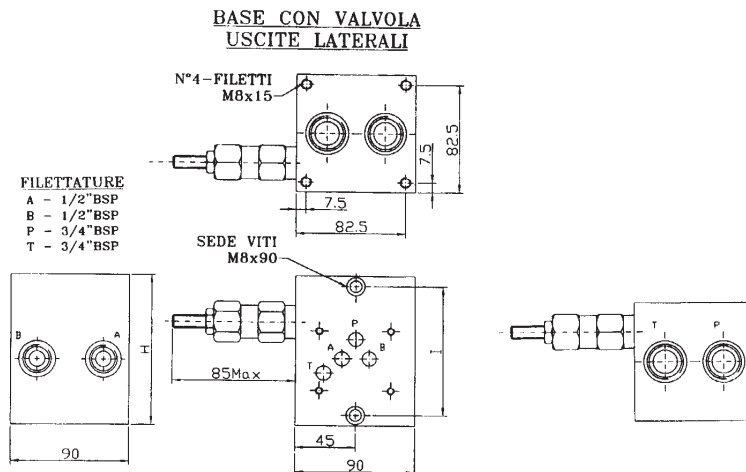
**BASE MULTIPLA CON VALVOLA
USCITE LATERALI**



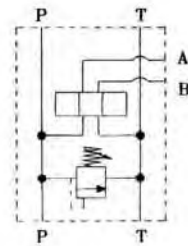
ART.	N. POS.	I	H
MK168011	2	109	125
MK168012	3	159	175
MK168013	4	209	225
MK168014	5	259	275
MK168015	6	309	325
MK168016	7	359	375
MK168017	8	409	425
MK168018	9	459	475
MK168019	10	509	525
MK168020	11	559	575

**PIASTRA MONBLOCCO ATTACCHI LATERALI
CIRCUITO IN PARALLELO CETOP 5**

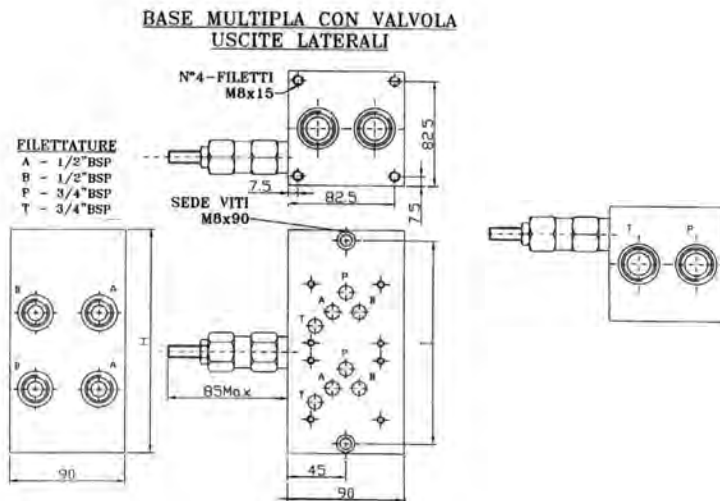
MONOBLOCK PLATE, LATERAL ATTACKS, PARALLEL CIRCUIT CETOP 5
 PLAQUE MONOBLOC ATTAQUES LATERAL CETOP 5
 MONOBLOCK-PLATTE M/SEITLICHEN ANSCHLUESSEN PARALLELKREIS CETOP 5
 PLACA MONOBLOC, ATAQUE LATERAL CIRCUITO PARALLELO CETOP 5



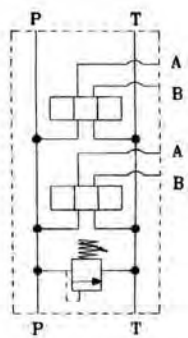
Schemi oleodinamici
Symbols



ART.	N. POS.	I	H
MK169010	1	99	115



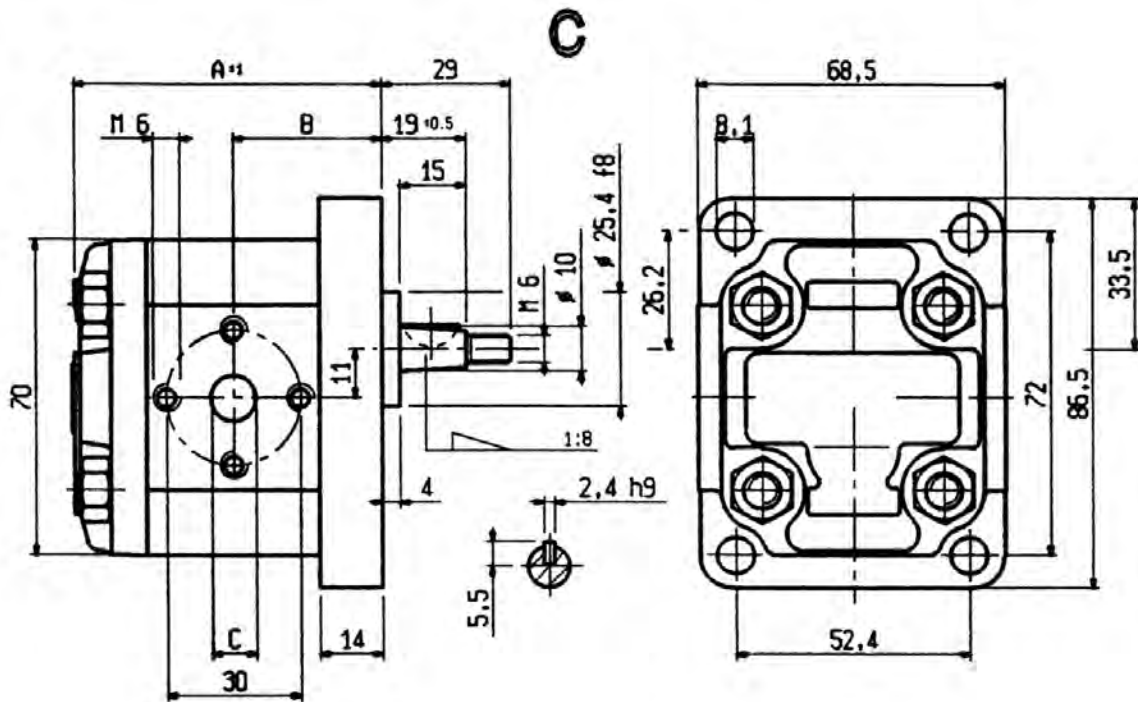
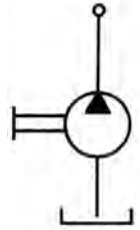
Schemi oleodinamici
Symbols



ART.	N. POS.	I	H
MK169011	2	159	175
MK169012	3	234	250
MK169013	4	309	325
MK169014	5	384	400
MK169015	6	459	475
MK169016	7	534	550

POMPE AD INGRANAGGI - GRUPPO 1

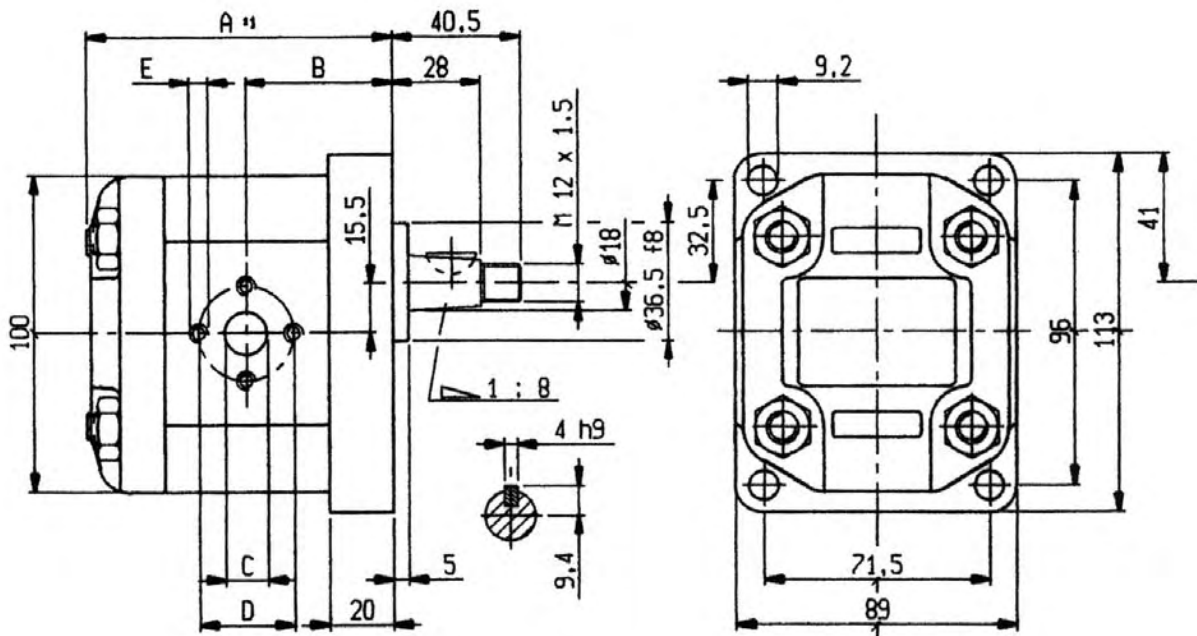
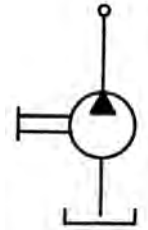
GEAR PUMPS 1RD GROUP
 POMPES A ENGRENAGES - GROUPE 1
 ZAHNRADPUMPEN - 1 GRUPPE
 BOMPA CON ENGRANAJE - GRUPO 1



ART.		cm 3/g	bar max			9/1 max	A	B	C	E BSP	F BSP
			P1 press continua	P2 press intermitt.	P3 press di punta						
ML174010	ML174110	1.4	220	260	280	3.500	71.5	33.3	10	3/8"	-
ML174011	ML174111	1.9	220	260	280	3.500	71.5	33.3	10	3/8"	-
ML174012	ML174112	2.4	220	260	280	3.500	71.5	33.3	10	3/8"	-
ML174013	ML174113	3.1	210	250	260	3.500	71.5	33.3	10	3/8"	-
ML174014	ML174114	3.6	210	250	260	3.500	76.5	36.7	12	3/8"	-
ML174015	ML174115	4.4	210	250	260	3.500	76.5	36.7	12	3/8"	-
ML174016	ML174116	4.8	180	230	250	3.500	76.5	36.7	12	3/8"	-
ML174017	ML174117	6.1	180	210	230	3.000	86.5	42	13.5	1/2"	-
ML174018	ML174118	7	170	200	210	3.000	86.5	42	13.5	1/2"	-
ML174019	ML174119	7.9	160	180	200	3.000	86.5	42	13.5	1/2"	-

POMPE AD INGRANAGGI - GRUPPO 2

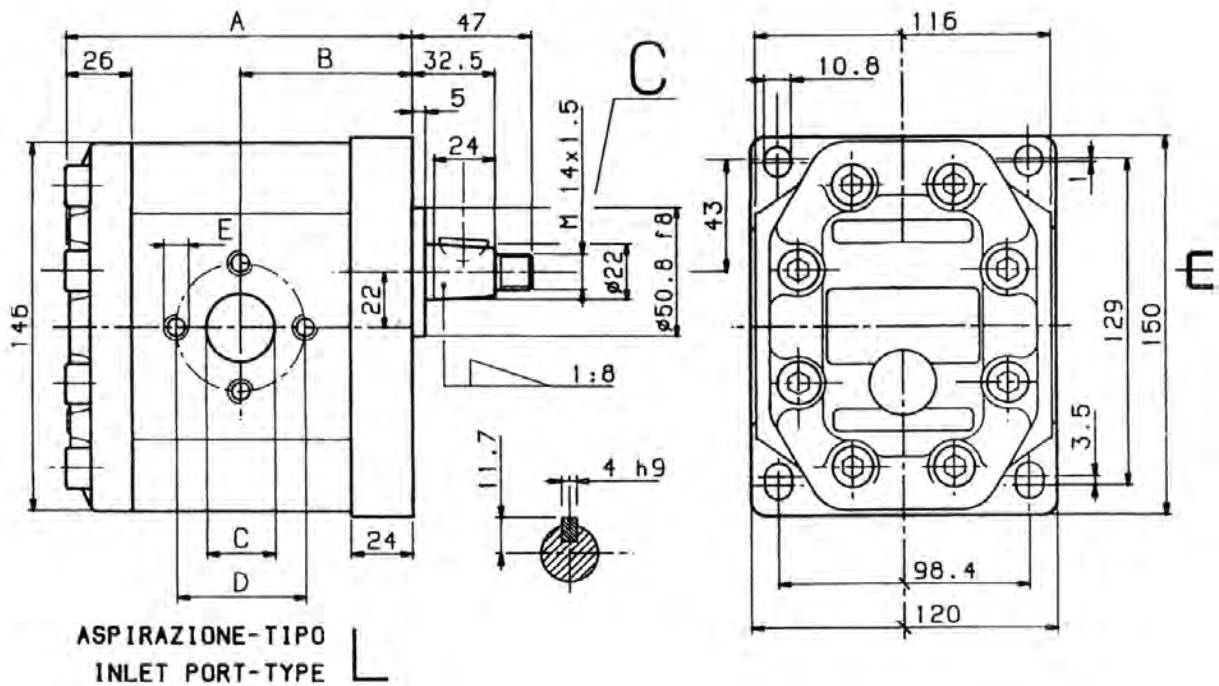
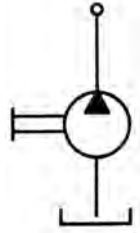
GEAR PUMPS 2RD GROUP
 POMPES A ENGRENAGES - GROUPE 2
 ZAHNRADPUMPEN - 2 GRUPPE
 BOMPA CON ENGRANAJE - GRUPO 2



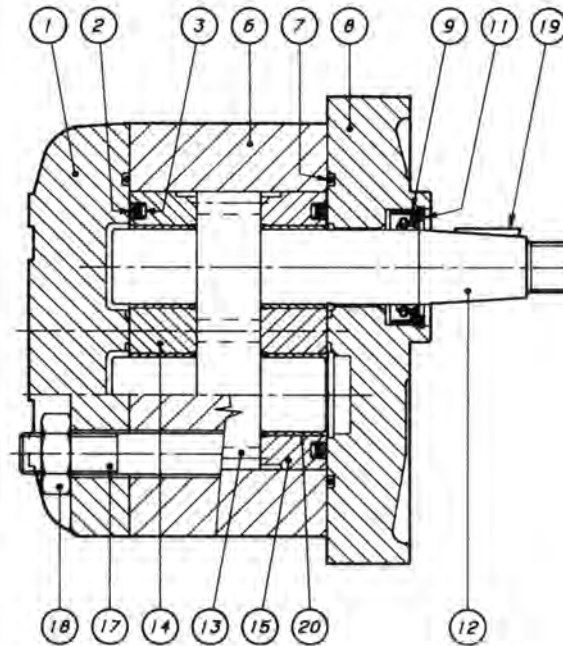
ART.		cm 3/g	bar max			9/1 max	A	B	C	D	E	c	d	e	F BSP	f BSP
D	S		P1 press continua	P2 press intermitt.	P3 press di punta											
ML178010	ML178110	4.5	230	270	300	3.500	93	44.5	13.5	30	M6	13.5	30	M6	1/2"	1/2"
ML178011	ML178111	6	230	270	300	3.500	98	46	13.5	30	M6	13.5	30	M6	1/2"	1/2"
ML178012	ML178112	7.6	230	270	300	3.500	98	46	13.5	30	M6	13.5	30	M6	1/2"	1/2"
ML178013	ML178113	8.5	230	270	300	3.500	98	46	13.5	30	M6	13.5	30	M6	1/2"	1/2"
ML178014	ML178114	11	230	270	300	3.500	98	46	13.5	30	M6	13.5	30	M6	1/2"	1/2"
ML178015	ML178115	14.5	220	260	280	3.500	120	58	13.5	30	M6	13.5	40	M8	1/2"	3/4"
ML178016	ML178116	17	210	270	270	3.500	120	58	13.5	30	M6	13.5	40	M8	1/2"	3/4"
ML178017	ML178117	19.5	190	220	250	3.000	120	58	13.5	30	M6	13.5	40	M8	1/2"	3/4"
ML178018	ML178118	26	160	170	200	3.000	113	64.5	20	40	M8	13.5	40	M8	3/4"	1"

POMPE AD INGRANAGGI - GRUPPO 3

GEAR PUMPS 3RD GROUP
 POMPES A ENGRENAGES - GROUPE 3
 ZAHNRADPUMPEN - 3 GRUPPE
 BOMPA CON ENGRANAJE - GRUPO 3



ART.		cm 3/g	bar max			A	B	C	D	E	F BSP
(D)	(S)		P1 press continua	P2 press intermitt.	P3 press di punta						
ML182010	ML182110	21.6	210	250	310	137	67.5	20	40	M8	3/4"
ML182011	ML182111	25.9	210	250	310	137	67.5	20	40	M8	3/4"
ML182012	ML182112	30.2	210	250	280	137	67.5	20	40	M8	3/4"
ML182013	ML182113	36	210	250	280	141	69.5	27	51	M10	1"
ML182014	ML182114	41.8	180	210	270	151	74.5	27	51	M10	1"
ML182015	ML182115	46.1	180	210	270	151	74.5	27	51	M10	1"
ML182016	ML182116	50.4	180	210	270	151	74.5	27	51	M10	1"
ML182017	ML182117	61	150	200	200	159	78.5	27	51	M10	1"
ML182018	ML182118	72	140	150	180	166	82	27-34	51-62	M10	1"-1 1/4"
ML182019	ML182119	87.8	110	120	170	177	87.5	27-34		M10	1"-1 1/4"



1 Coperchio	End cover	Gehäusedeckel	Flasque arrière	Tapa
2 Antiestrusione	Retaining gasket	Stütring	Joint anti-extrusion	Junta antiextrusión
3 OR anello / Guarnizione	O. Ring seal / Seal	O-Ring / Dichtung	Joint torique / Joint	Anillo OR / Junta
4 OR tappo	O. Ring seal	O-Ring	Joint torique	Tapón OR
5 Tappo	Transfer sleeve	Ausgleichsstift	Pion	Tapón
6 Corpo	Pump body	Pumpengehäuse	Corp de la pompe	Cuerpo
7 OR piastra e coperchio	O. Ring seal	O-Ring	Joint torique	Placa OR y tapa
8 Base	Mounting flange	Pumpenflansch	Flasque avant	Base
9 Paraolio	Oil sea!	Radialdichtung	Joint d'arbre	Sello de aceite
10 Anello rinforzo	Supporting Ring	Stützring	Anneau de renfort	Anillo de refuerzo
11 Seeger	Circlip	Seeger ring	Circlip	Arandela Seeger
12 Conduttore	Drive gear and shaft	Antriebszahnrad	Pignon menant	Conductor
13 Condotto	Driven gear	Angetriebenes Zahnrad	Pignon mené	Conducto
14 Boccola posteriore	Rear bearing housing	Hinterbrillenlager	Lunette arrière	Casquillo posterior
15 Boccola anteriore	Front bearing housing	Vorderbrillenlager	Lunette avant	Casquillo anterior
16 Anello di compensazione	Compensating Ring	Druckausgleichbuchse	Anneau de compensation	Anillo de compensación
17 Vite	Screw	Schraube	Vis	Tornillo
18 Dado	Nut	Mutter	Ecrou	Tuerca
19 Linguetta	Key	Halbrundkeile	Clavette	Lengüeta
20 Cuscinetto *	Bearing housing *	Brillenlager *	Palier téflone *	Cojinete

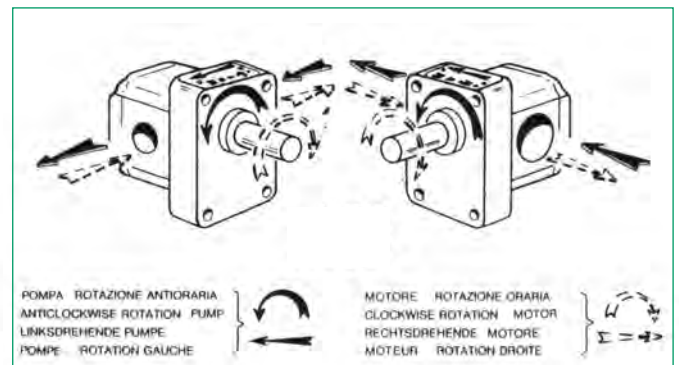
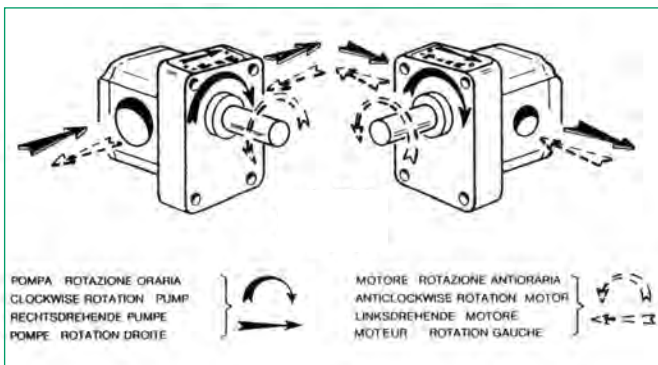
* Solo nei gruppi 1-2-3

* Only in the groups 1-2-3

* Nur bei der gruppo 1-2-3

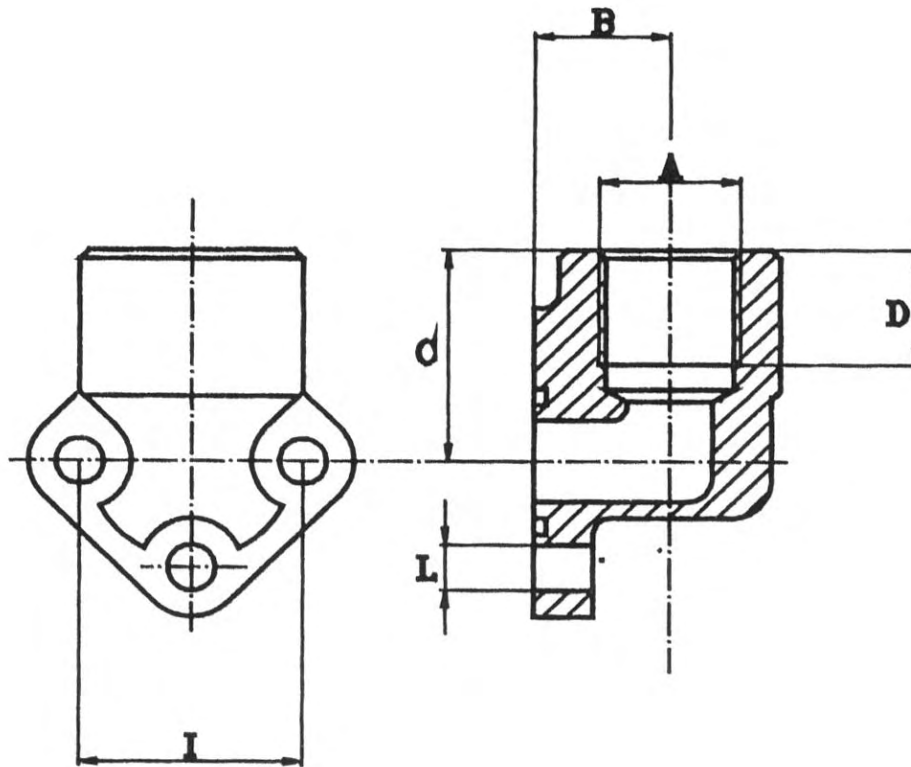
* Seulement dans les groupes 1-2-3

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FLANGE A 3 FORI PER POMPE, COMPLETE DI «OR»

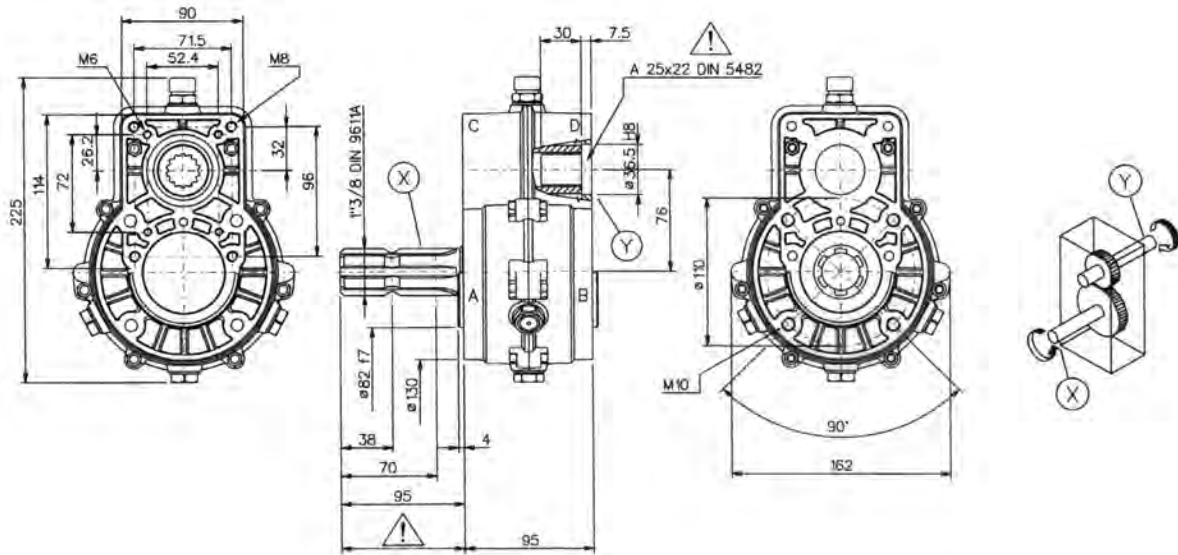
3 HOLES FLANGES WITH O-RING
 FLASQUES TROUS AVEC JOINTS TORIQUES
 3 LÔECHER - FLANSCH, MIT O -RINGEN
 BRIDA PARA SALIDA BOMBAS COMPLETE DI "OR"



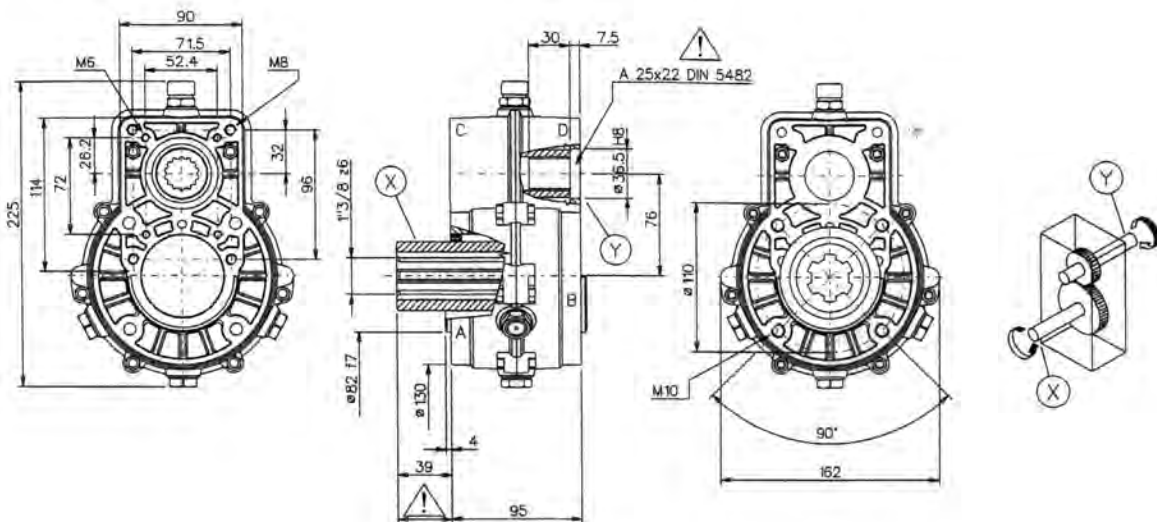
ART.	Tipo Type	Filetto thread A	B	C	D	I	L	VITE	OR	PRES. BAR
ML184010	0,5RG38	3/8"	16	26	14	26	5.5	M5X20	015	300
ML184011	0,5RG12	1/2"	16	26	14	26	5.5	M5X20	015	300
ML184012	1RG38	3/8"	17.5	26	14	30	6.5	M6X20	809	300
ML184013	1RG12	1/2"	17.5	26	14	30	6.5	M6X20	809	300
ML184014	2RG38	3/8"	18-21	36	16	40	8.5	M8X25	814	300
ML184015	2RG12	1/2"	18-21	36	16	40	8.5	M8X25	814	300
ML184016	2RG34	3/4"	21	36	16	40	8.5	M8X25	814	300
ML184017	3RG34	3/4"	27	45	21	51	10.5	M10X30	125	250
ML184018	3RG1	1"	27	45	21	51	10.5	M10X30	125	250
ML184019	3RGB34	3/4"	27	45	21	56	10.5	M10X30	220	250
ML184020	3RGB1	1"	27	45	21	56	10.5	M10X30	220	250
ML184021	4RG1M12	1"	34.5	55	27	62	10.5	M10X30	222	100
ML184022	4RG114M12	1.1/4"	34.5	55	27	62	10.5	M10X30	222	100
ML184024	5RG114	1.1/4"	34.5	56	27	72	12.5	M12X35	830	100

MOLTIPLICATORI PER POMPE IDRAULICHE GRUPPO 2

PUMPS OVERDRIVE GR. 2
 MULTIPLICATEURS POUR POMPES HYDRAULIQUES DU GROUPE 2
 GETRIEBE HYDR PUMPEN GR. 2
 MULTIPLICADORES PARA POMPE HIDRAÚLICO GRUPO 2



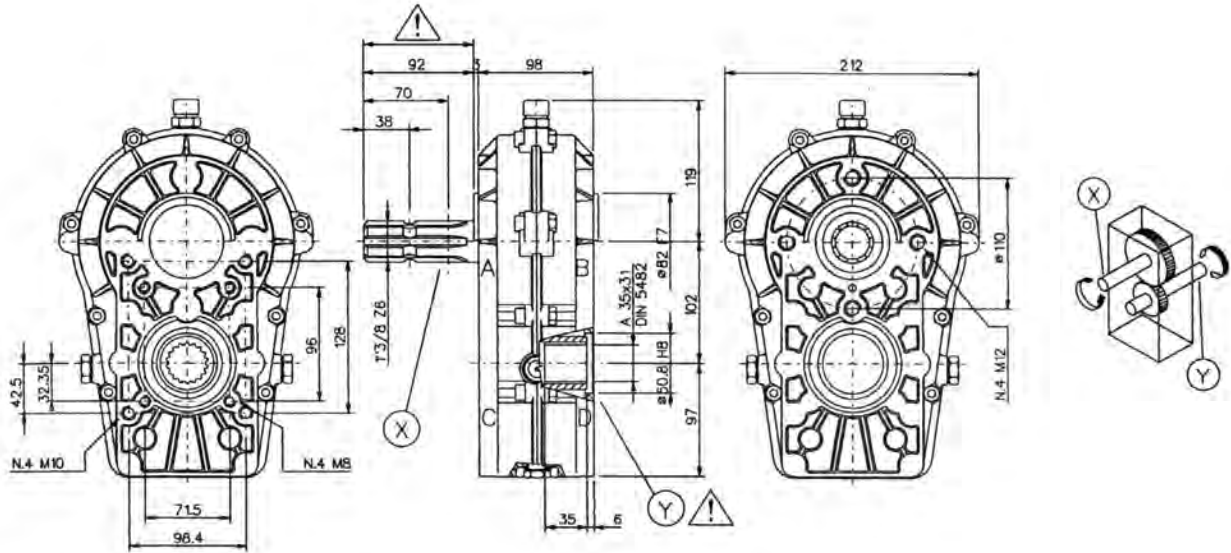
ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Coppia - Torque Couple - Drehm. N - m	Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV	Kw		Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM188010	1:3,35	540	14	10.3	186	55	1809	X	6072001033



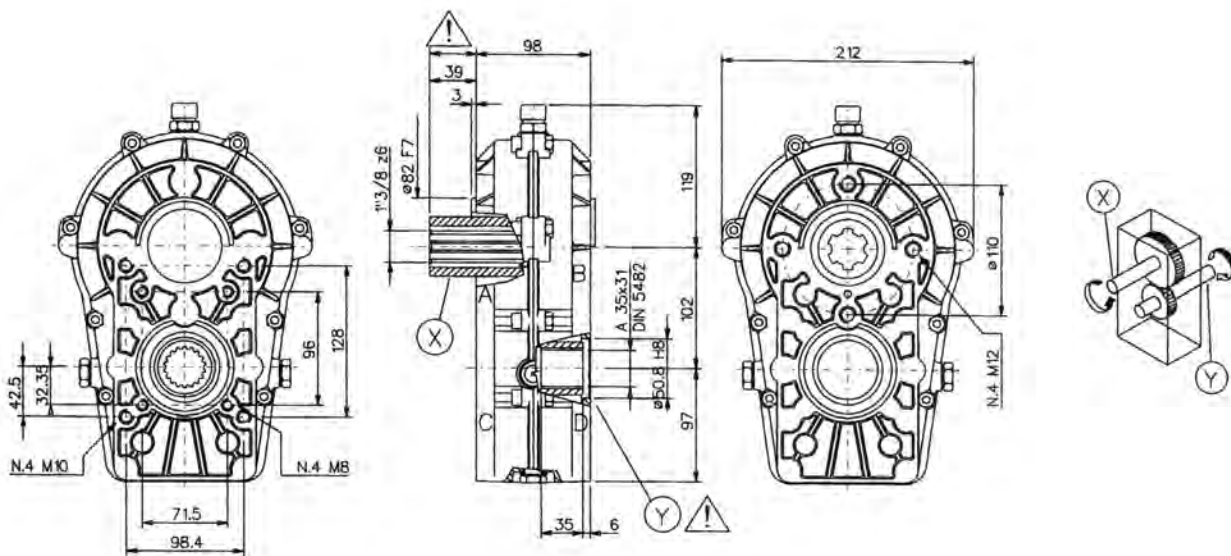
ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Coppia - Torque Couple - Drehm. N - m	Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV	Kw		Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM188011	1:3,35	540	14	10.3	186	55	1809	X	6072303033

MOLTIPLICATORI PER POMPE IDRAULICHE GRUPPO 3

PUMPS OVERDRIVE GR. 3
 MULTIPLICATEURS POUR POMPES HYDRAULIQUES DU GROUPE 3
 GETRIEBE HYDR PUMPEN GR. 3
 MULTIPLICADORES PARA POMPE HIDRAÚLICO GRUPO 3



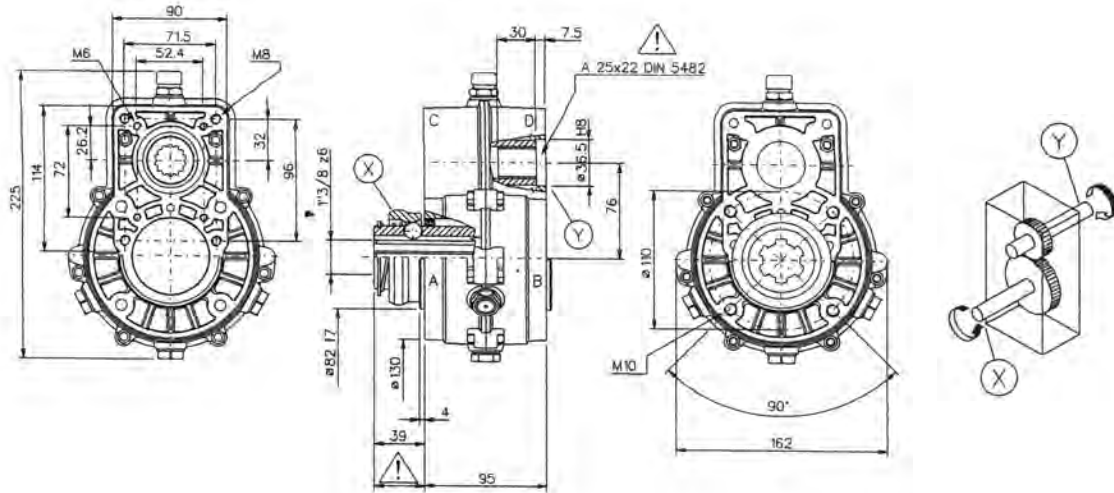
ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang			Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV	Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM189010	1:3,35	540	35	25.7	460	135	1809	X	6073001303



ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang			Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV	Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM189011	1:3,35	540	35	25.7	460	135	1809	X	6073300033

MOLTIPLICATORI PER POMPE IDRAULICHE GRUPPO 2

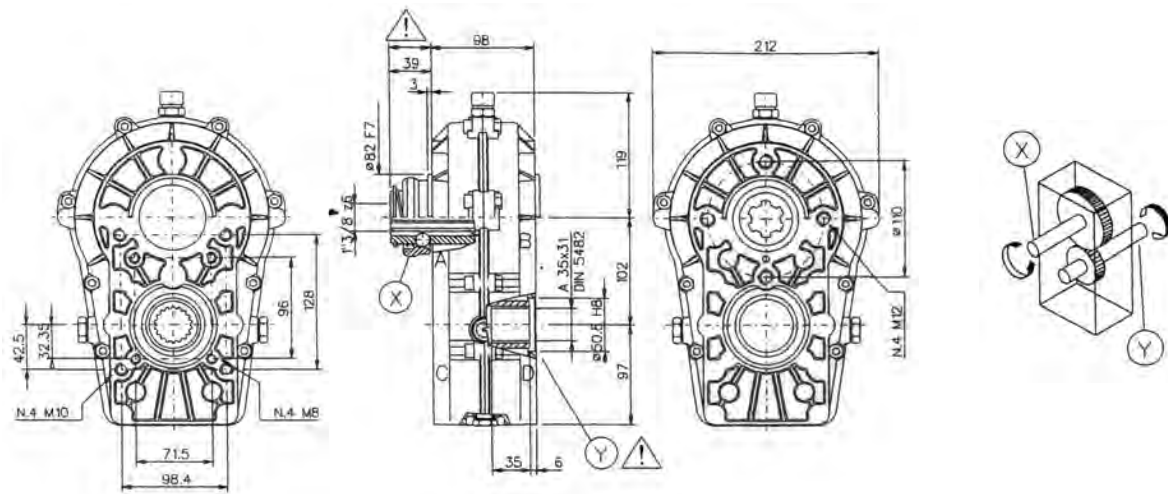
PUMPS OVERDRIVE GR. 2
 MULTIPLICATEURS POUR POMPES HYDRAULIQUES DU GROUPE 2
 GETRIEBE HYDR PUMPEN GR. 2
 MULTIPLICADORES PARA POMPE HIDRAÚLICO GRUPPO 2



ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM188012	1:3,35	540	14	10.3	186	55	X	6072002033

MOLTIPLICATORI PER POMPE IDRAULICHE GRUPPO 3

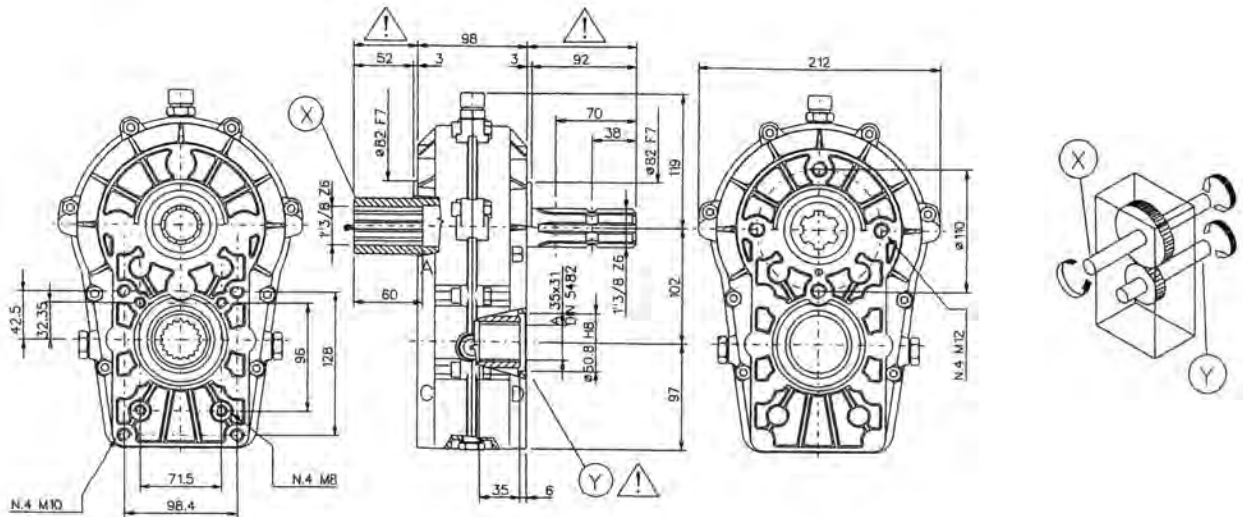
PUMPS OVERDRIVE GR. 3
 MULTIPLICATEURS POUR POMPES HYDRAULIQUES DU GROUPE 3
 GETRIEBE HYDR PUMPEN GR. 3
 MULTIPLICADORES PARA POMPE HIDRAÚLICO GRUPPO 2



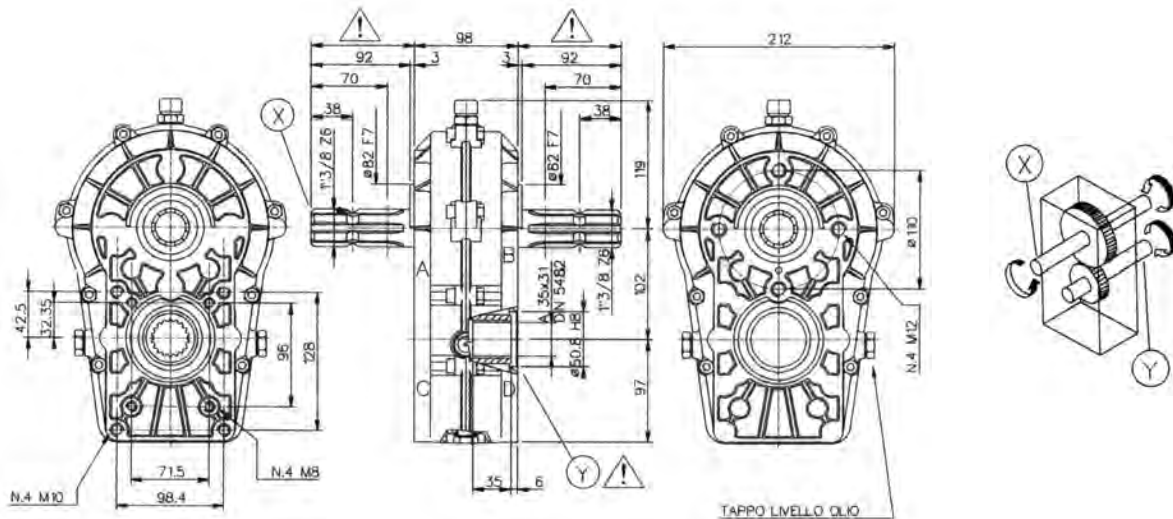
ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM189012	1:3,35	540	35	25.7	460	135	X	6073002033

MOLTIPLICATORI PER POMPE GR. 2 E 3 CON PRESA PER ALBERO CARDANICO

OVERDRIVE FOR PUMPS GROUP 2 AND 3 WITH P.T.O. FOR DRIVE SHAFT
 MULTIPLICATEUR POUR POMPES HYDRAULIQUES DU GROUPE 2 ET 3 AVEC
 PRISE DE FORCE POUR TRANSMISSION A CARDAN
 GETRIEBE FÜR PUMPEN 2-3 GRUPPE MIT ZAPFWELLE FÜR GELENKWELLE GR. 2-03
 MULTIPLICADORES PARA BOMBA GR. 2 Y GR. 3 CON TOMA DE CARDAN



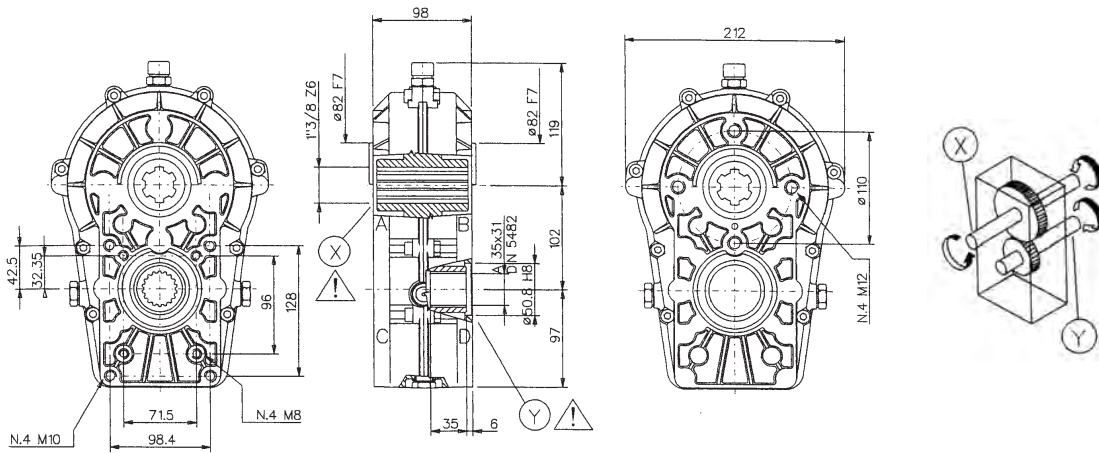
ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM190011	1:3,35	540	35	25.7	460	135	X	6075001033



ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang		Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM190010	1:3,35	540	35	25.7	460	135	X	6075306033

MOLTIPLICATORI PER POMPE IDRAULICHE GRUPPO 2/3

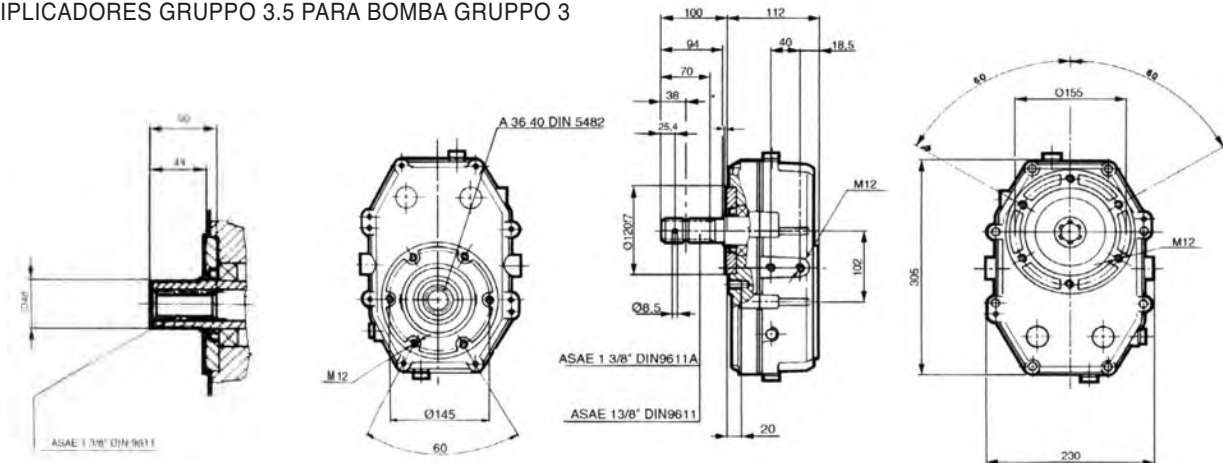
PUMPS OVERDRIVE GR. 2/3
 MULTIPLICATEURS POUR POMPES HYDRAULIQUES DU GROUPE 2/3
 GETRIEBE HYDR. PUMPEN GR. 2/3
 MULTIPLICADORES PARA POMPE HIDRAÚLICO GRUPPO 2/3



ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang			Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang	Codice Code Code Bestellnummer
			Potenza - Power Pussange - leistung CV	Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min		
MM190015	1:3,35	540	35	25.7	460	135	1809	X	6075302033

MOLTIPLICATORI GRUPPO 3.5 PER POMPE GRUPPO 3

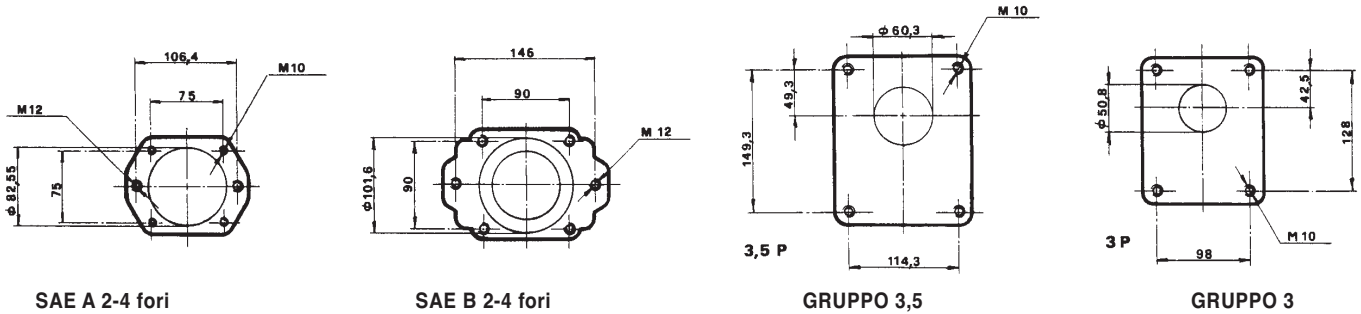
PUMPS OVERDRIVE GROUP 3.5 FOR GROUP 3
 MULTIPLICATEURS GROUPE 3.5 POUR GROUPE 3
 ÜBERSETZUNGSGETRIEBE GR. 3.5 FÜR PUMPEN GR. 3
 MULTIPLICADORES GRUPPO 3.5 PARA BOMBA GRUPPO 3



ART.	Rapporto Ratio Rapport Verhältnis	N. giri r.p.m. T./min. U./min	Entrata - Input - Entree - Engang			Uscita - Output - Sortie - Ausgang		Entrata Input Entree Engang
			Potenza - Power Pussange - leistung CV	Kw	Coppia - Torque Couple - Drehm. N - m	Coppia - Torque Couple - Drehm. N - m	N. giri r.p.m. T./min. U./min	
MM192010	1:3	540	-	-	-	135	1680	X
MM192011	1:3,5	540	-	-	-	135	1836	X

FLANGIATURA GR. 3,5

FLANGES GROUP GR. 3,5
BRIDAGE GR. 3,5
FLANGES GROUP 3,5
FLANSCH GR. 3,5



ART.
MM196003

ART.
MM196004

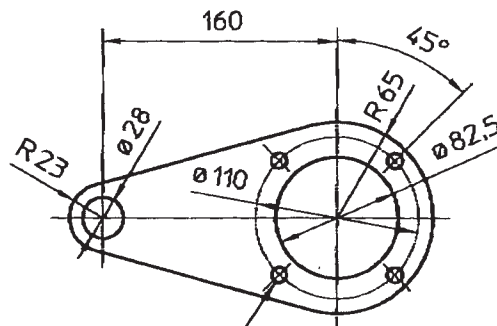
ART.
MM196002

ART.
MM196001

FLANGIA PER MOLTIPLICATORE GRUPPO 2

FLANES FOR OOVERDRIVE GR. 2
FLASQUE POUR MULTIPLICATEURS GR. 2
FLANSCH GETRIEBE NYDR GR. 2
BRIDA PARA MULTIPLICADORES GR. 2

ART.
MM196020



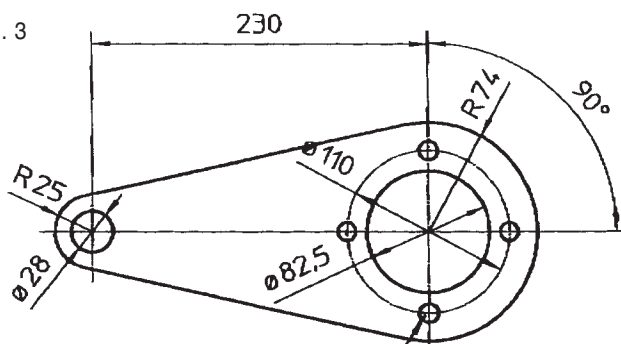
ø10.5 x n°4 fori equidistanti

GR 2
SPESSORE 6

FLANGIA PER MOLTIPLICATORE GRUPPO 3

FLANES FOR OOVERDRIVE GR. 3
FLASQUE POUR MULTIPLICATEURS GR. 3
FLANSCH GETRIEBE NYDR GR. 3
BRIDA PARA MULTIPLICADORES GR. 3

ART.
MM196021

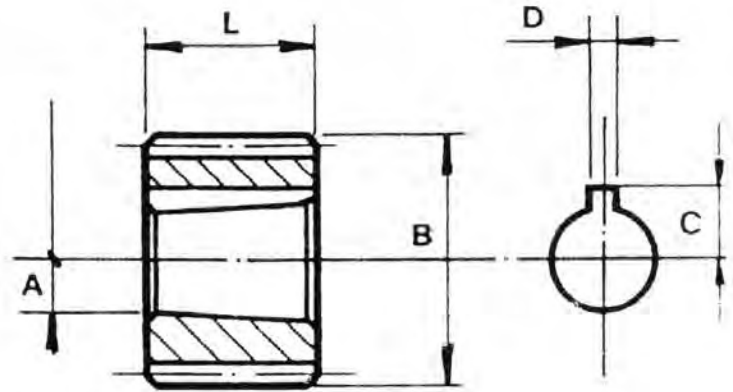


ø12.5 x n°4 fori equidistanti

GR 3
SPESSORE 8

SEMIGIUNTI SCANALATI SERIE 10000

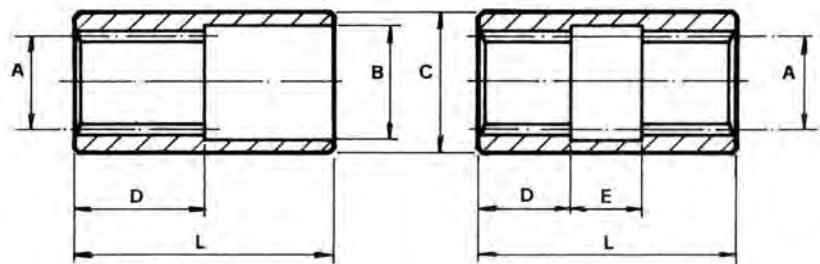
SPLINED HALF - COUPLINGS SERIES 10000
 DEMI - ACCOUPLEMENTS CANNELES SERIE 10000
 GENUTETE HALBKUPPLUNGEN SERIE 10000
 SEMI-JUNTAS RANURADOS SERIE 10000



ART.	Tipo di pompa	Gruppo pompa	Profilo DIN 5482 B	N° denti	A	B	C	D	L	Lire	€
MM198010	1	2/1	25x22	14	8	24.5	5.7	2.4	14.5	14.000	7.23
MM198011	2	2	25x22	14	14.2	24.5	9.3	3.17	22	12.000	6.19
MM198012	2	2	28x25	15	14.2	27.5	9.7	3.17	22	18.000	9.29
MM198013	2	3/2	35x31	18	14.2	34.5	9.7	3.17	22	16.000	8.26
MM198014	3	3	35x31	18	18.7	34.5	12.5	4	26	13.000	6.11
MM198015	3	3,5/3	40x36	20	18.7	39.5	12.5	4	26	23.000	11.87
MM198016	3.5	3.5	40x36	20	21.2	39.5	15.1	4.76	32	22.000	11.36
MM198017	3	4/3	48x44	23	18.7	47.5	12.5	4	26	29.000	14.97
MM198018	3.5	4/3.5	48x44	23	21.2	47.5	15.1	4.76	32	29.000	14.97

MANICOTTI SCANALATI SERIE 10200

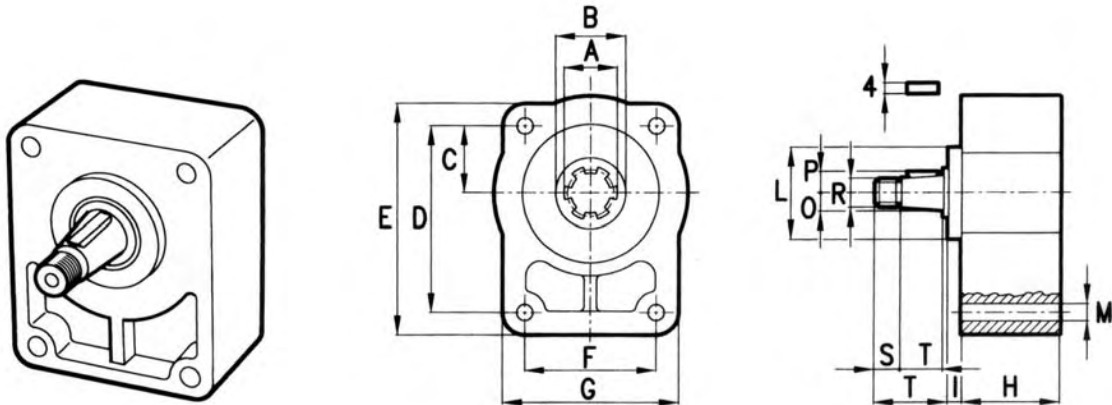
SPLINED SLEEVES SERIES 10200
 MANCHONS CANNELES SERIES 10200
 GENUTETE KUPPLUNGSMUFFEN SERIE 10200
 MANGUITOS RANURADOS SERIE 10200



ART.	Tipo di pompa	Profilo	N° denti	A	B	C	D	E	L
MM199009	1	20x17 DIN 5482	12	17	20.5	25	25	-	50
MM199010	2	25x22 DIN 5482	14	22	25.5	32	30	-	60
MM199014	2	28x25 DIN 5482	15	25	28.5	34	30	-	60
MM199015	2.5	32x28 DIN 5482	17	28	33.5	39	30	-	60
MM199011	3	35x31 DIN 5482	18	31	35.5	42	30	-	60
MM199012	3.5	40x36 DIN 5482	20	36	40.5	49.5	33	-	66
MM199013	4	48x44 DIN 5482	23	44	48.5	62	42	-	90
MM200010	2 doppio	25x22 DIN 5482	14	22	-	32	20	20	60
MM200011	2 doppio	35x31 DIN 5482	18	31	-	44	29.5	12	71

SUPPORTI PER POMPE GR 1 - 2 - 3 CON ALBERO CONICO

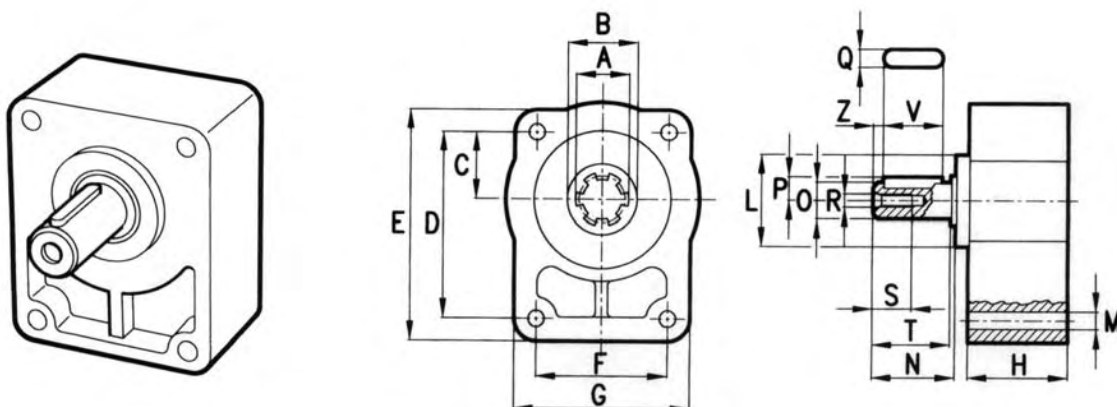
PUMP SUPPORT WITH TAPERED SHAFT (GR. 1-2-3)
 SUPPORT POUR POMPERS AVEC ARBRE CONIQUE (GROUPE 1-2-3)
 PUMPENHALTERUNG MIT KEGELWELLE (GR. 1-2-3)
 SOPORTE PARA POMPE CON ATAQUE CONICO (GRUPPO 1-2-3)



ART.	Gruppo	A	B H7	C	D	E	F	G	H	I	L F7	M 4 Fori	N	O h7	P	R	S	T
MM204010	1-Standard	25x22	25.4	26.5	72	92	53	73	40	6	50.8	7	36	17.5	9.5	M12x1,5	12	23
MM204012	2-Standard	25x22	36.5	32.5	96	114	71.4	89.4	49	6	36.5	9	35.5	17.5	9.5	M12x1,5	12	23
MM204015	3-Standard	35x31	50.8	42.5	128	150	98.4	120.4	54	5	50.7	11	43	22.2	12	M14x1,5	14	28

SUPPORTI PER POMPE GR 1 - 2 - 3 CON ALBERO CILINDRICO

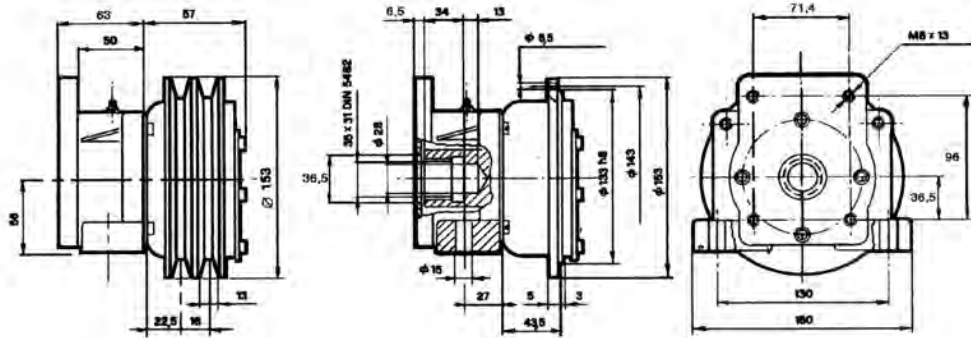
PUMP SUPPORT WITH CYLINDRICAL SHAFT (GR. 1-2-3)
 SUPPORT POUR POMPERS AVEC ARBRE CYLINDRIQUE (GROUPE 1-2-3)
 PUMPENHALTERUNG MIT GERADEME WELLENENDE (GR. 1-2-3)
 SOPORTE CON ATAQUE CILINDRICO PARA POMPE (GRUPPO 1-2-3)



ART.	Gruppo	A	B H7	C	D	E	F	G	H	I	L F7	M 4 Fori	N	O h7	P	Q	R	S	T	V
MM204011	1-Standard	25x22	25.4	26.5	72	92	53	73	40	6	50.8	7	36	18	11.5	6	M6	19	35	25
MM204013	2-Standard	25x22	36.5	32.5	96	114	71.4	89.4	43	6	36.5	9	40.5	18	13.5	6	M8	19	40	40
MM204014	2-Standard	25x22	36.5	32.5	96	114	71.4	89.4	43	6	36.5	9	40.5	22	13.5	6	M8	19	40	40
MM204016	3-Standard	35x31	50.8	42.5	128	150	98.4	120.4	54	5	50.7	11	49.5	24	15	8	M8	19	48	40

INNESTO ELETTROMAGNETICO

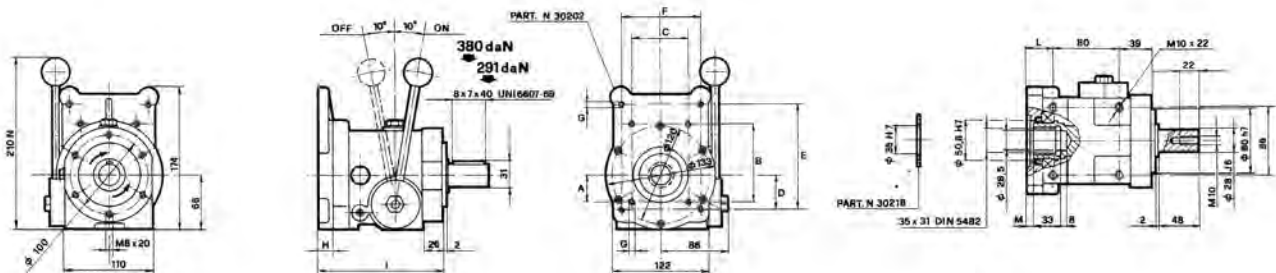
ELECTRO-MAGNETIC COUPLEUR
 COUPLEUR ELECTRO MAGNETIQUE
 ELEKTRO MAGNETISCHE KUPPLUNG
 EMBRAGUE ELECTROMAGNÉTICO



ART.	Tensione	Flangia gruppo	Coppia Normale	Versione
MM208010	12 V	1/2	10	puleggia
MM208011	24 V	1/2	10	puleggia

INNESTO MECCANICO A DENTI FRONTALI GR. 2-3 SERIE 30330

MECHANICAL COUPLINGS WITH FRONT TEETH - GROUP 2 AND 3 - SERIES 30330
 EMBRAYAGES MECANIQUES A DENTS FRONTALES GR. 2-3 - SERIE 30330
 MECHANISCHE STIRNRÄDER - SCHALKUPPLUNGEN GR. 2-3 - SERIE 30330
 EMBRAGUE MECÁNICO DE DIENTES DELANTEROS GR. 2-3 - SERIE 30330



Coppia nominale Nominal torque Couple nominal Nenn Drehmoment	Velocità max Max speed Vitesse maxi Max Drehgeschwindigkeit	Potenza max trasmissibile Max power output Puissance maxi transmissible Max übertragbare Leistung	Carico assiale Axial load Charge axial Längsbelastung
18.5 da Nm	2700 RPM	HP 58	160 da Nm

ART.	Senso rotazione Direction of rotation Sens rotation Drehrichtung	Flangia: Tipo gruppo E part. N. Flange: Type unit and part nr. Bride: Type groupe et piece N. Flanschtype: Gruppe - teil nr.	A	B	C	D	E	F	G	H	I	L	M
MM208012	Destro - Droite Right - Rechtsläufig	2 - 2T - 3	32.5	96	71.4	42.5	128	98.4	M8x15	19	151	32	8.6

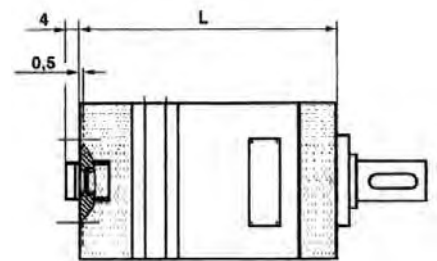
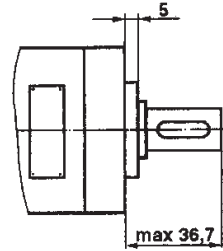
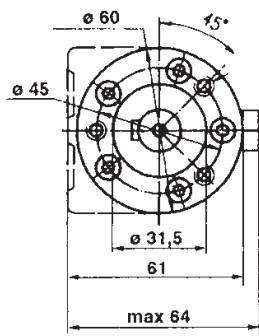
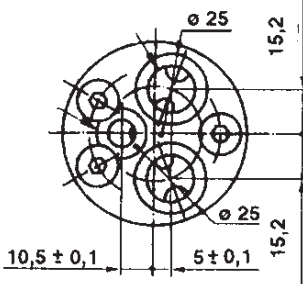
MOTORI ORBITALI OMM

HYDRAULIC - MOTORS OMM
 ORBITROLS OMM
 VENTILMOTOREN OMM
 MOTOR HIDRAÚLICO OMM



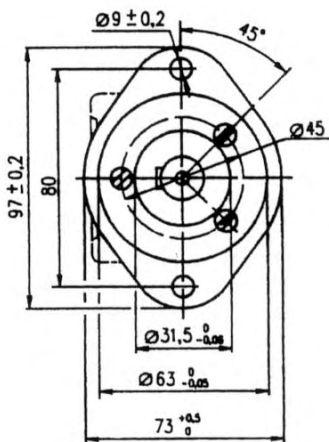
**Montaggio standard
 senza flangia**

**Connessioni posteriori
 (standard)**

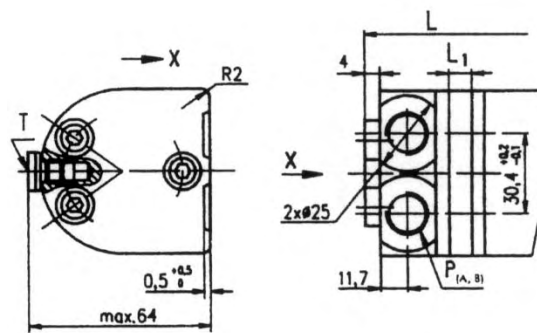


ART.	CM ³	L	Velocità max Max speed (giri/min)	Coppia max continua Continuous Max Torque (da Nm)	Coppia max interimt. Intermittent Max Torque (da Nm)	Kw Continua Continuous	Kw Intermit. Intermittent	Portata Lt	Portata Bar
MN212010	104	8.2	1.950	1.1	1.5	1.8	2.6	16	140
MN212011	106	12.9	1.550	1.6	2.3	2.4	3.2	20	140
MN212012	109	20	1.000	2.5	3.5	2.4	3.2	20	140
MN212013	114	31.8	630	4.0	5.7	2.4	3.2	20	140

**"F" Montaggio a flangia
 "F" Mounting flange**



**"S" Connessioni laterali
 "S" Side ports**

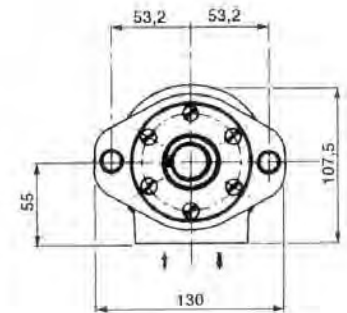
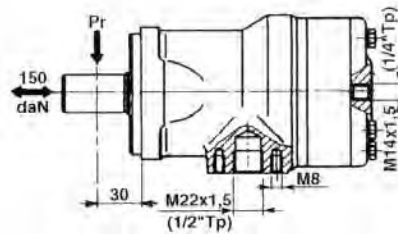
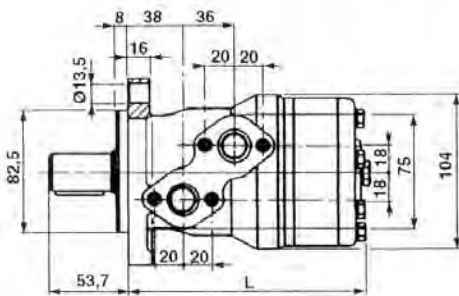
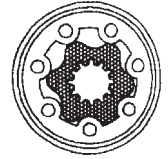


ART.
 MN212015

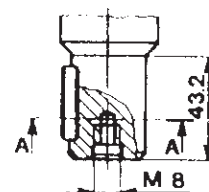
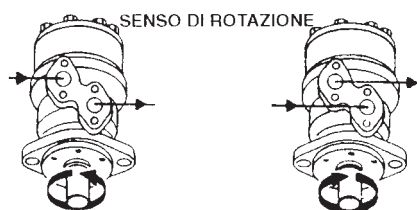
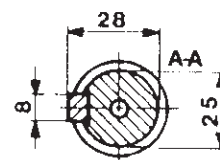
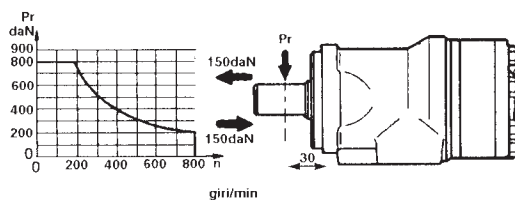
ART.
 MN212016

MOTORI ORBITALI OMP

HYDRAULIC - MOTORS OMP
 ORBITROLS OMP
 VENTILMOTOREN OMP
 MOTOR HIDRAÚLICO OMP

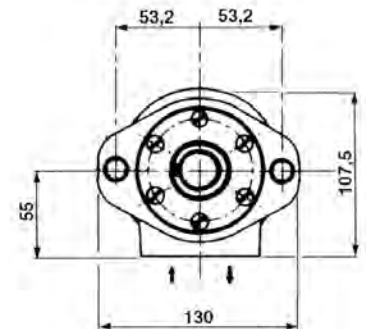
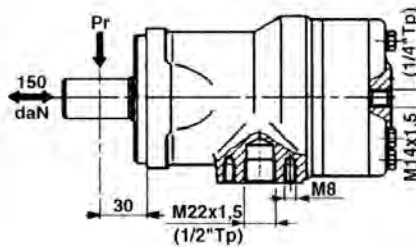
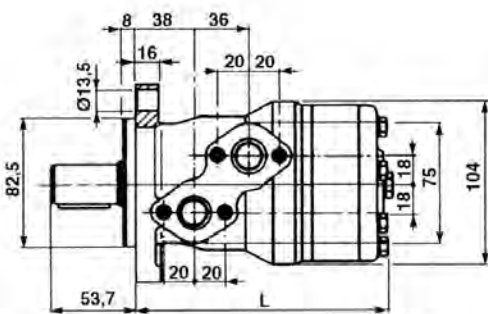
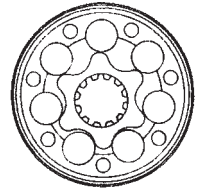


ART.	CM ³	L	Velocità max Max speed (giri/min)	Coppia max continua Continuous Max Torque (da Nm)	Coppia max interimt. Intermittent Max Torque (da Nm)	Kw Continua Continuous	Kw Intermit. Intermittent	Portata Lt	Portata Bar
MN214009	32	-	1.560	4.3	6.1	4.5	7.8	50	175
MN214010	49	135.5	1.210	7.9	11.9	5.8	12.5	60	140
MN214011	79.2	139.1	755	13.2	19.5	8.5	12.5	60	140
MN214013	99	141.8	605	16.4	23.7	8.5	12.5	60	140
MN214014	123.8	145.1	486	20.5	29.8	8.5	12.5	60	140
MN214015	158.4	149.8	378	26.4	37.8	8.5	12.5	60	140
MN214019	198	155.1	303	26.5	32.6	8.5	11.2	60	140
MN214016	247	161.8	242	27.6	35.5	7	11.5	60	140
MN214017	316.8	171.1	190	29	36.6	4	5.5	60	140
MN214018	396	181.8	150	28.5	36	3	5	60	140

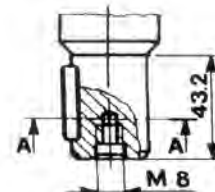
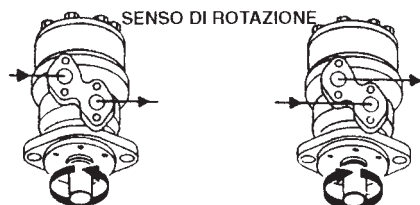
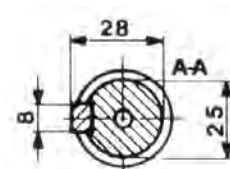
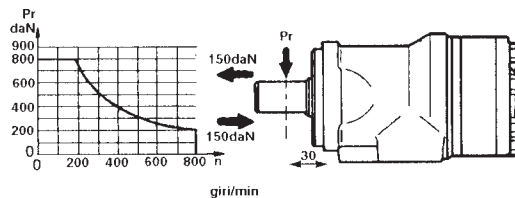


MOTORI ORBITALI OMR

HYDRAULIC - MOTORS OMR
 ORBITROLS OMR
 VENTILMOTOREN OMR
 MOTOR HIDRAÚLICO OMR

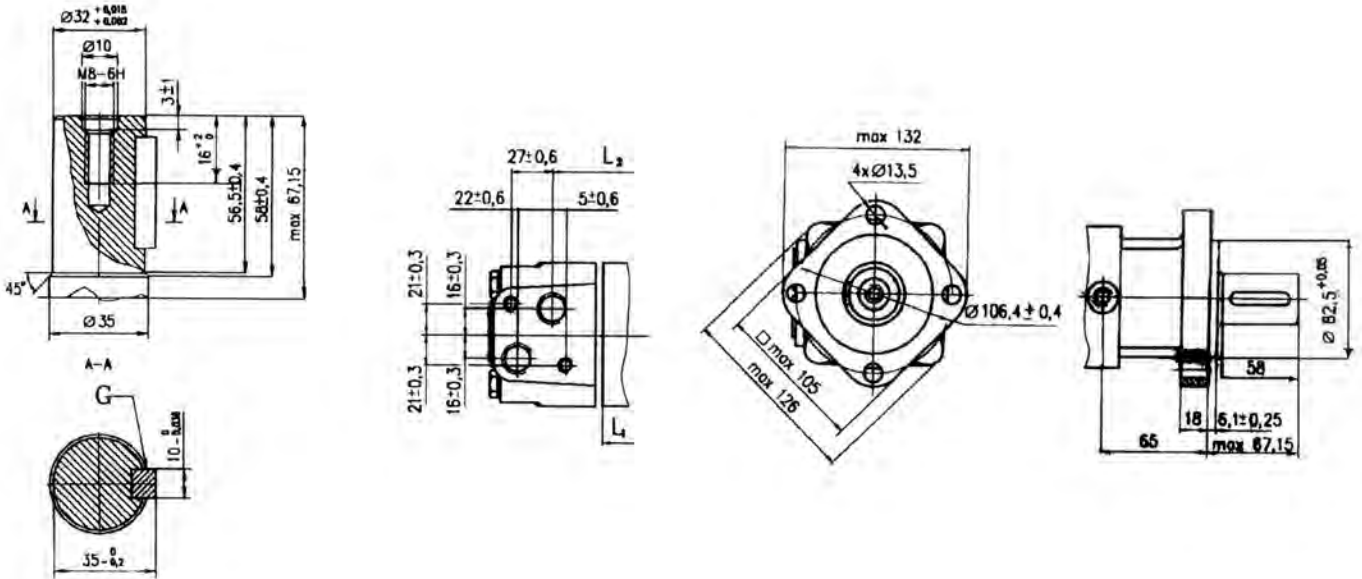


ART.	CM ³	L	Velocità max Max speed (giri/min)	Coppia max continua Continuous Max Torque (da Nm)	Coppia max interimt. Intermittent Max Torque (da Nm)	Kw Continua Continuos	Kw Intermit. Intermittent	Portata Lt	Portata Bar
MN216010	51.6	135.5	775	10	12.5	7	8.5	40	140
MN216011	80.3	140.5	750	15.5	19.5	10	12.5	60	140
MN216012	99.8	144	600	20	25	10	12.5	60	140
MN216013	125.7	150.8	480	25	30	11	12.5	60	140
MN216014	156.5	154.5	375	28	39	9	12.5	60	140
MN216015	199.8	161.5	300	29	39	7.5	9.5	60	140
MN216016	250.1	172.5	240	30	40	6	8	60	140
MN216017	315.7	181.5	190	28	38	4.5	6	60	140
MN216018	397	198.4	150	30	40	3.8	5.7	60	120



MOTORI ORBITALI OMS

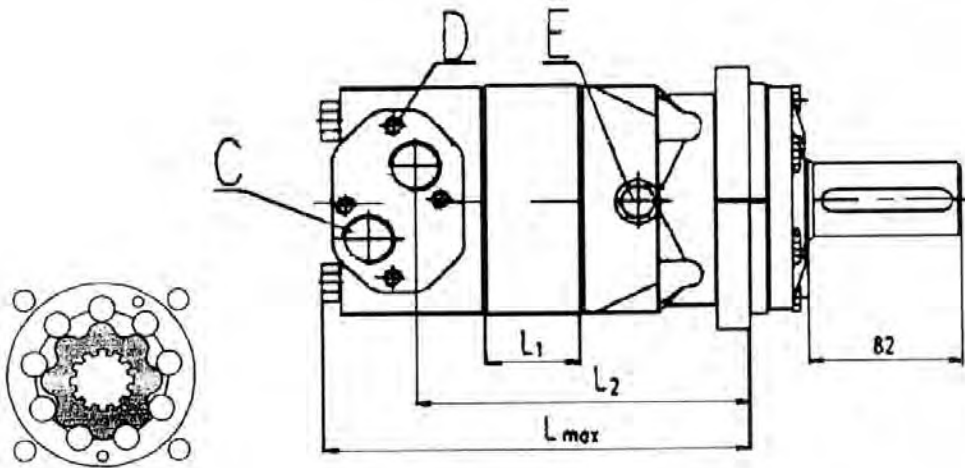
HYDRAULIC - MOTORS OMS
 ORBITROLS OMS
 VENTILMOTOREN OMS
 MOTOR HIDRAÚLICO OMS



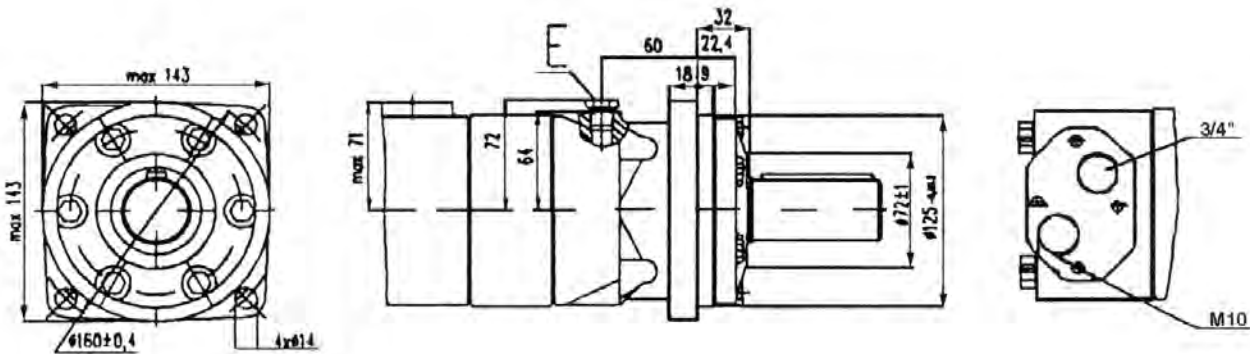
ART.	CM ³	L	Velocità max Max speed (giri/min)	Coppia max continua Continuous Max Torque (da Nm)	Coppia max interimt. Intermittent Max Torque (da Nm)	Kw Continua Continuos	Kw Intermit. Intermittent	Portata L1	Portata Bar
MN218010	80.5	166	810	20	24	16	19	65	210
MN218011	100	169	750	25	30	17.5	21	75	210
MN218012	125.7	174	600	32	38	17.5	21	75	210
MN218013	159.7	180	470	34	48	15.5	21	75	210
MN218014	200	187	375	40	50	14	17.5	75	210
MN218015	250	195	300	45	54	12.5	15	75	210
MN218016	314.9	207	240	54	63	11.5	13.5	75	210
MN218017	397	221	185	58	69	10	13	75	210

MOTORI ORBITALI OMT

HYDRAULIC - MOTORS OMT
 ORBITROLS OMT
 VENTILMOTOREN OMT
 MOTOR HIDRAÚLICO OMT

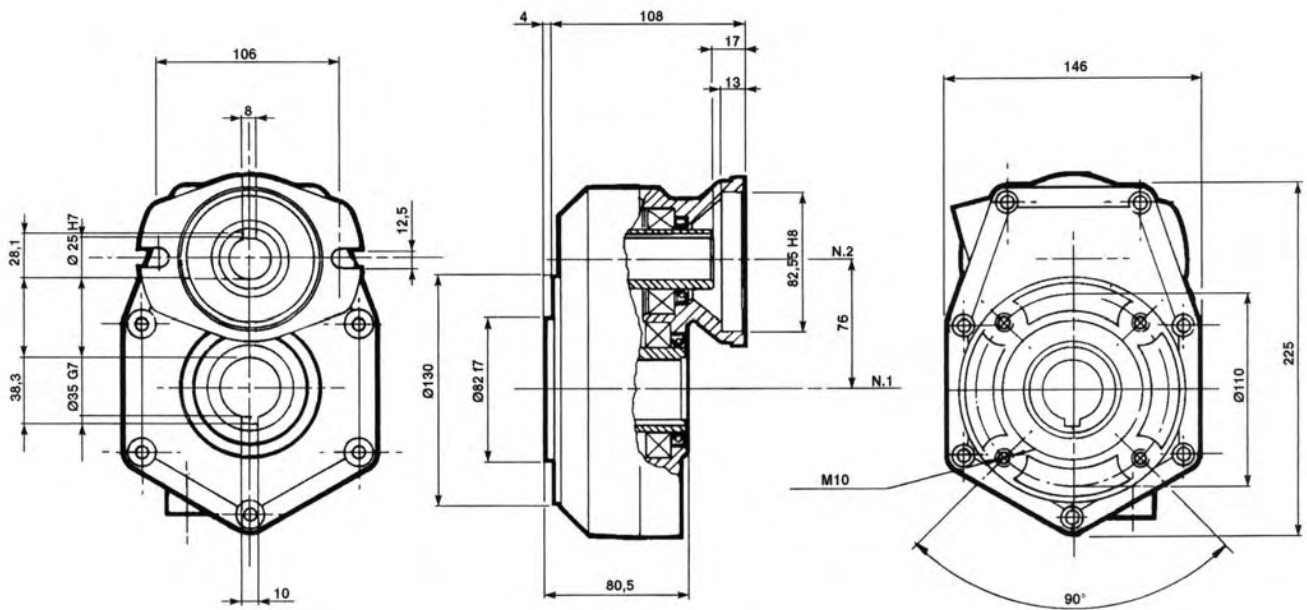


ART.	CM ³	L	Velocità max Max speed (giri/min)	Coppia max continua Continuous Max Torque (da Nm)	Coppia max interimt. Intermittent Max Torque (da Nm)	Kw Continua Continuous	Kw Intermit. Intermittent	Portata L1	Portata Bar
MN220010	161.1	190	625	47	56	26.5	32	100	200
MN220011	201.4	195	625	59	71	33.5	40	125	200
MN220012	251.8	201	500	73	88	33.5	40	125	200
MN220013	326.3	211	380	95	114	33.5	40	125	200
MN220014	410.9	221	305	108	126	30	35	125	180
MN220015	523.6	235	240	122	137	26.5	30	125	160



RIDUTTORE GR2 PER MOTORI ORBITALI OMR

REDUCTION GEAR GROUP 2 FOR RHR AND OMR
 REDUCTEUR GR 2 POUR RHR ET OMR
 UNTERSETZUNGSGETRIEBE GR 2 FÜR VENTILMOTORE RHR UND OMR
 REDUCTOR GR. 2 PARA MOTORES PHR Y OMR



CARATTERISTICHE:

Temperatura di esercizio: -20 ÷ + 180°C
 Olio: CPL/CC 150 - DIN 5157
 Rotazione destra: max: 3000 giri/1'

PROPERTIES:

Working temperature: -20 ÷ + 180°C
 Oil: CPL/CC 150 - DIN 5157
 Right hand rotation max 3000 t/1'

CARACTERISTIQUES:

Température d'exercice: -20 ÷ + 180°C
 Huile: CPL/CC 150 - DIN 5157
 Rotation: droite max 3000 t/1'

ANGABEN:

Betriebstemperatur: -20 ÷ + 180°C
 Öl: CPL/CC 150 - DIN 5157
 Rechtslauf max: 3000 t/1'

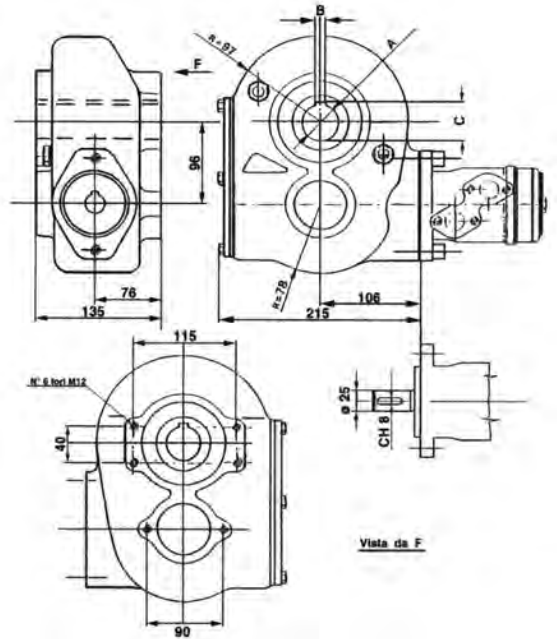
CARACTERISTICAS:

Temperatura de ejercicio: -20 ÷ + 180°C
 Aceite: CPL/CC 150 - DIN 5157
 Rotación derecha max: 3000 t/1'

ART.	RAPP.	N. 1 giri/1'	N. 2 giri/1'	alb. motore Shaft motor
MO222010	2:1	400	200	Ø 25
MO222011	3:1	600	200	Ø 25

RIDUTTORI PER MOTORI ORBITALI OMR

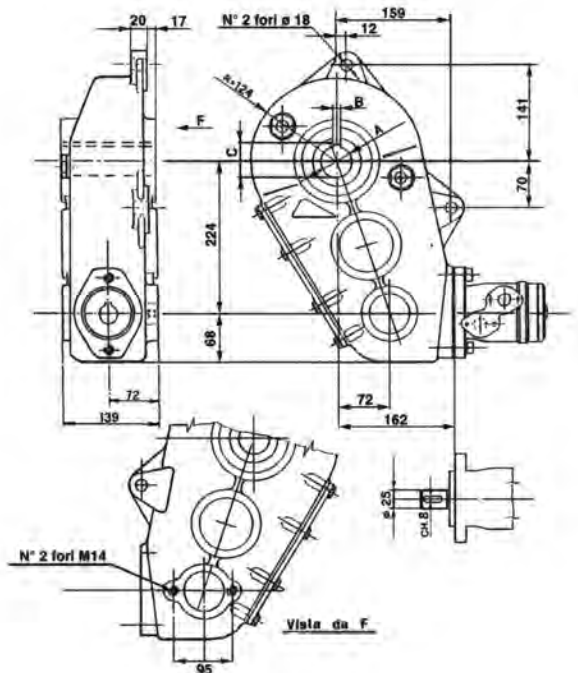
OMR (HYDRAULIC MOTOR) REDUCTION
 REDUCTORS POUR MOTEUR ORBITALS OMR
 UNTERSETZUNGSGETRIEBE FÜR VENTILMOTORE OMR
 REDUCTOR PARA MOTORES HIDRAULICOS OMR



ART.	Rapp. di rid.	(A) mm	(B) mm	Momento torcente
MO224010	8,4:1	35	10	1.500
MO224011	8,4:1	40	12	1.500

RIDUTTORI PER MOTORI ORBITALI OMR

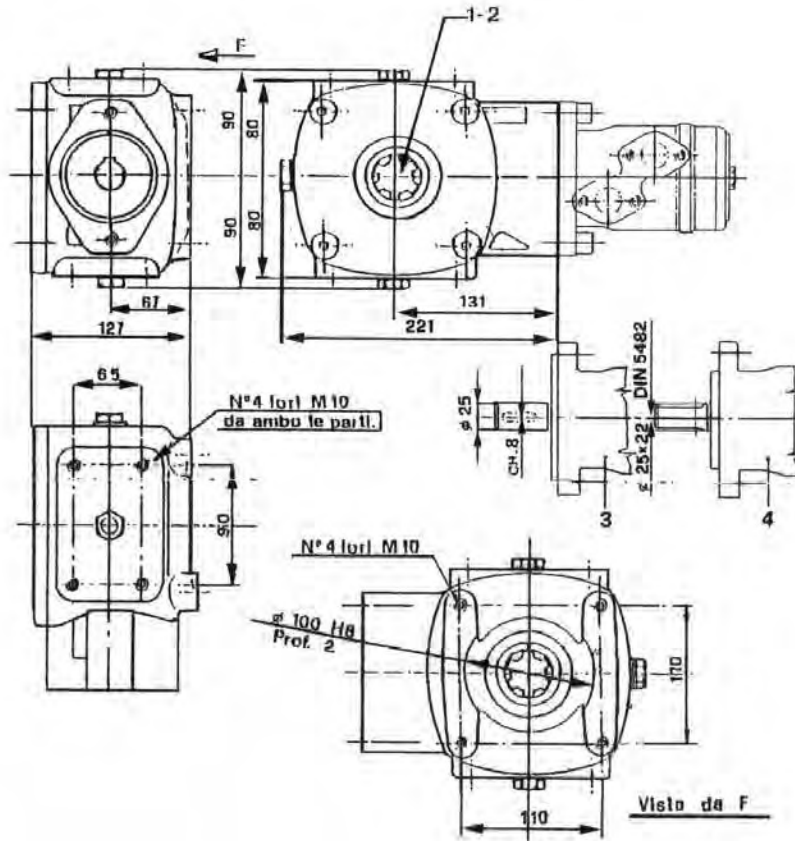
OMR (HYDRAULIC MOTOR) REDUCTION
 REDUCTORS POUR MOTEUR ORBITALS OMR
 UNTERSETZUNGSGETRIEBE FÜR VENTILMOTORE OMR
 REDUCTOR PARA MOTORES HIDRAULICOS OMR



ART.	Rapp. di rid.	(A) mm	(B) mm	Momento torcente
MO226010	29,5:1	35	10	3.000
MO226011	29,5:1	40	12	3.000
MO226012	29,5:1	45	12	3.000

RIDUTTORE PER MOTORE ORBITALE OMR

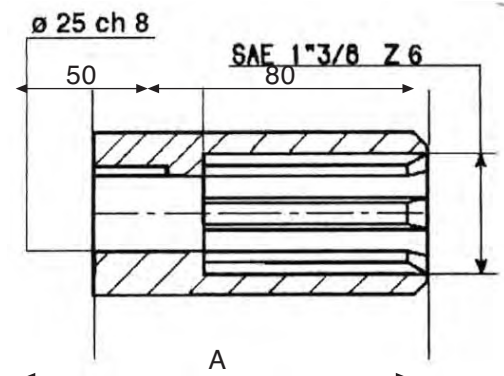
OMR (HYDRAULIC MOTOR) REDUCTION
 REDUCTOR POUR MOTEUR ORBITALS OMR
 UNTERSETZUNGSGETRIEBE FÜR VENTILMOTORE OMR
 REDUCTOR PARA MOTORES HIDRAULICOS OMR



ART.	Rapp. di rid.	A	B	Momento torcente
MO228010	3,1:1	35	10	900

BUSSOLA DI RIDUZIONE PER MOTORE ORBITALE

REDUCING BUSHING FOR HYDRAULIC MOTOR
 DOUILLE DE REDUCTION POUR MOTEUR ORBITAL
 REDUZIERBUECHSE FUER OELMOTOR
 TUERCA DE RECUCCIÓN DE MOTORES HIDRAULICO



ART.	A	Ø	Profilo esterno
MO23010	35	25 - ch 8	1" - 3/8" Z6

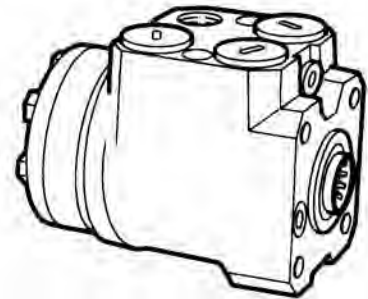
IDROGUIDE PER MACCHINE TRATTRICI E CARRELLI

HYDRAULIC STEERINGS TYPE
 ORBITROLS: DIRECTIONS HYDRAULIQUES POUR TRACTEURS ET MACHINES AUTOMOTRICES
 HYDROLENKUNGEN FÜR TRAKTOREN UND WAGEN
 IDROGUIDA PARA TRACTORES Y CARRITOS

IDROGUIDE CON VALVOLA INCORPORATA

HYDRAULIC STEERING WITH VALVE INSIDE
 DIRECTIONS HYDRAULIQUES AVEC BLOC DE SECURITE
 HYDROLENKUNGEN MIT INNENVENTIL (NEUER TYP WIE OSPC)
 IDROGUIDA CON VÁLVULA INTERNA

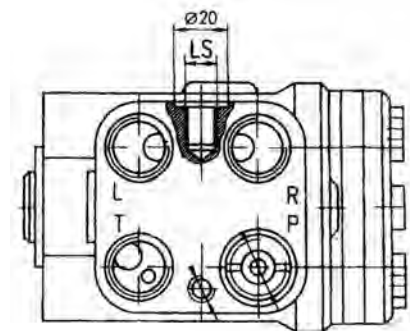
ART.	CM ³	Portata Lt	Riferimento DANFOSS	Adattabile
MP234010	50	5	OSPC 50	-
MP234011	80	9	OSPC 80	Bcs - Nibbi Ferrari Goldoni
MP234012	100	9	OSPC 100	Fiat 5143318 5143319 - 5143320



IDROGUIDE TIPO LS (load sensing)

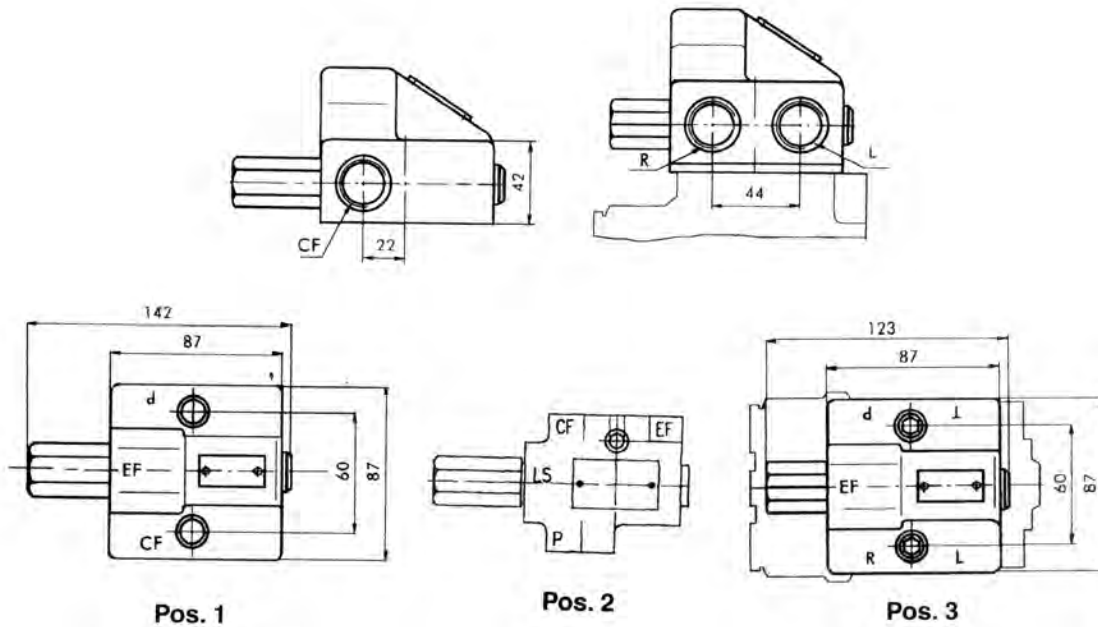
HYDRAULIC STEERING TYPE LS (load sensing)
 DIRECTIONS HYDRAULIQUES TYPES LS (load sensing)
 HYDROLENKUNGEN TYP LS (load sensing)
 IDROGUIDA TIPO LS (load sensing)

ART.	CM ³	Portata Lt	Riferimento DANFOSS
MP235010	40	4	OSPC 40 LS
MP235011	50	6	OSPC 50 LS
MP235012	65	6	OSPC 63 LS
MP235013	80	9	OSPC 80 LS
MP235014	100	9	OSPC 100 LS
MP235015	125	12	OSPC 125 LS



VALVOLA PRIORITARIA PER IDROGUIDE TIPO LS

PRIORITY VALVE FOR LS HYDRAULIC STEERING
 CLAPET POUR HYDROGUIDE
 MENGENTEILER
 VALVULA PRIORITARIA PARA IDROGUIDA LS

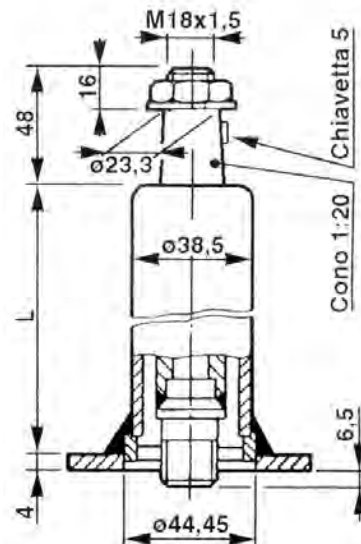


ART.	Portata Lt	Pos.	Applicazioni
MP235110	40	1	Motori fino a 25 CV
MP235112	80	1	Motori oltre a 25 CV
MP235114	80	2	Motori oltre a 25 CV
MP235116	40	3	Motori fino a 25 CV
MP235120	80	3	Motori oltre a 25 CV

COLONNETTE DI STERZATURA IDROGUIDE PER VOLANTI ATTACCO DANFOSS

HYDRAULIC STEERING HEAD FOR "DANFOSS" WHEEL
 COLONNES POUR DIRECTION HYDRAULIQUE POUR VOLANTS "DANFOSS"
 HYDROLENKUNGSKOPF FÜR LENKRAD "DANFOSS"
 COLUMNA DE DIRECCIÓN IDROGUIDA PARA VOLANTE CON ENGANCHE DANFOSS

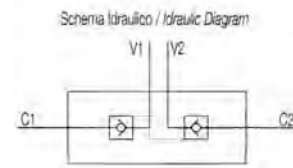
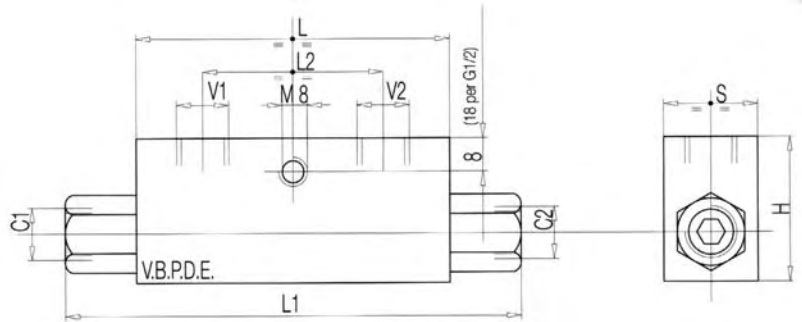
ART.	L (mm)
MP240001	75
MP240002	150
MP240003	250
MP240004	400
MP240005	750



**VALVOLA DI BLOCCO PILOTATA
DOPPIO EFFETTO IN LINEA**

CHECK VALVES
CLAPET DE BLOCAGE DOUBLE EFFET PILOTEE EN L
RÜCKSCHLAGVENTIL
VALVULA ANTIRATORNO DOBLE PILOTADA EN LINEA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

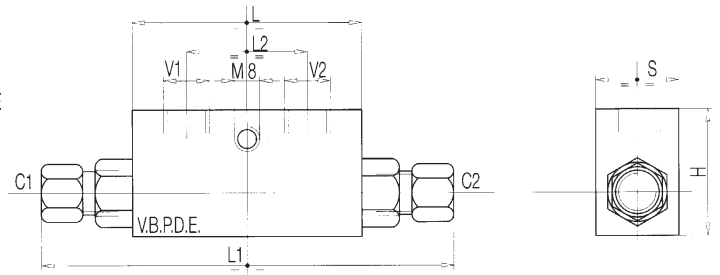


ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	H	S
			Lt/min.	GAS - MIET	mm				
MQ244010	V.B.P.D.E. 1/4 L	1:5.7	25	G1/4	64	112	34	40	30
MQ244011	V.B.P.D.E. 3/8 L	1:5.7	35	G3/8	80	128	38	40	30
MQ244012	V.B.P.D.E. 1/2 L	1:5.2	50	G1/2	90	142	45	45	35
MQ244013	V.B.P.D.E. 3/4 L	1:4	105	G3/4	100	192	46	60	40

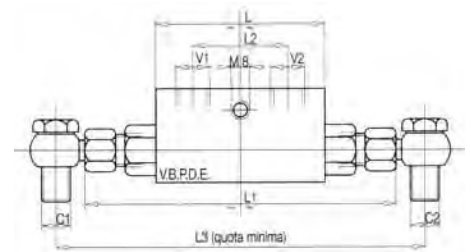
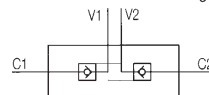
**VALVOLA DI BLOCCO PILOTATA
DOPPIO EFFETTO IN LINEA**

CHECK VALVES
CLAPET DE BLOCAGE DOUBLE EFFET PILOTEE EN LIGNE
RÜCKSCHLAGVENTIL
VALVULA ANTIRATORNO DOBLE PILOTADA EN LINEA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR



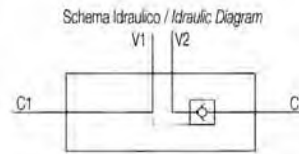
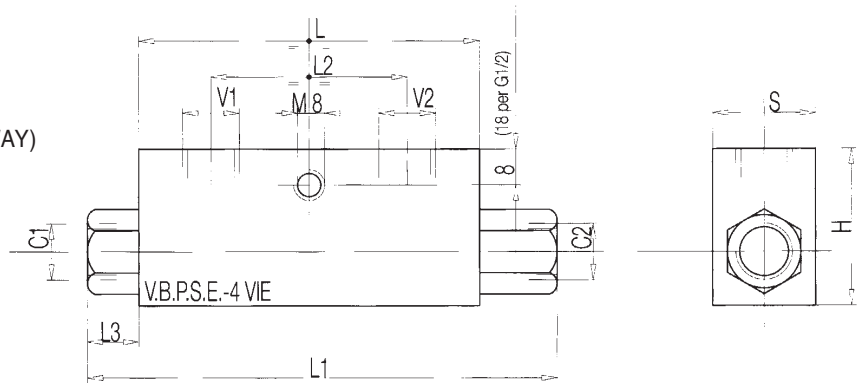
Schema Idraulico / Hydraulic Diagram



ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	L3	H	S
			Lt/min.	GAS	mm					
MQ244014	V.B.P.D.E. 1/4 L. 2 C. EX. C	1:5.7	25	G1/4 12L	64	134	34	160	40	30
MQ244015	V.B.P.D.E. 3/8 L. 2 C. EX. C	1:5.7	30	G3/8 12L	64	134	36	166	40	30
MQ244018	V.B.P.D.E. 1/2 L. 2 C.C.	1:5.2	50	G1/2 15L	90	164	45	196	45	35

**VALVOLA DI BLOCCO PILOTATA
A SEMPLICE EFFETTO A 4 VIE**

SINGLE ACTING DRIVEN CHECK VALVE (4-WAY)
CLAPET DE BLOCAGE PILOTÉE
EFFET SIMPLE à 4 VOIES
GESTEUERTES 4-WEG-SPERRVENTIL
EINFACH WIRKEND
VÁLVULA DE RETENCIÓN SIMPLE,
DE TRES VÍAS (ALTO GUIADO)

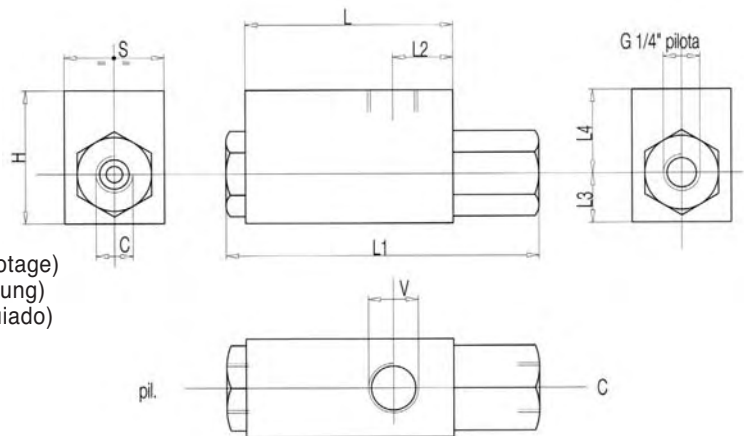


Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

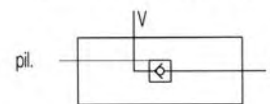
ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	L3	H	S
			Lt/min.	GAS - MIET	mm					
MQ244050	V.B.P.D.E. 1/4 L. a 4 vie	1:5.7	25	G1/4 12L	64	106	34	18	40	30
MQ244052	V.B.P.D.E. 3/8 L. a 4 vie	1:5.7	35	G3/8 12L	80	120	38	16	40	30
MQ244054	V.B.P.D.E. 1/2 L. a 4 vie	1:5.2	50	G1/2 15L	90	133	45	17	45	35

**VALVOLA DI BLOCCO PILOTATA
A SEMPLICE EFFETTO A 3 VIE (alto pilotaggio)**

SINGLE ACTING 3-WAY CHECK VALVE (high pilot system)
CLAPET DE BLOCAGE EFFET SIMPLE à 3 VOIES (haut pilotage)
3-WEG-SPERRVENTIL EINFACH WIRKEND (hohe Ansteuerung)
VÁLVULA DE RETECNIÓN SIMPLE, DE TRES VÍAS (alto guiado)



Schema Idrraulico / Idrraulic Diagram



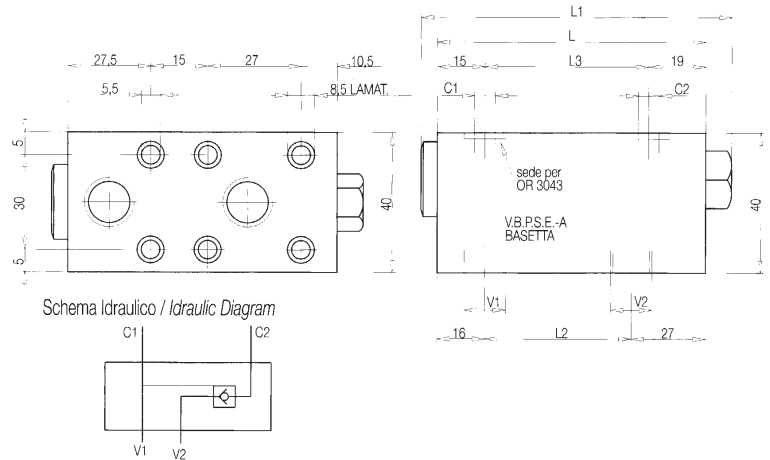
Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	L3	L4	H	S
			Lt/min.	GAS - MIET	mm						
MQ244060	VBL/3 SE 1/4	1:9	25	G1/4 12L	70	104	22	15	25	40	30
MQ244062	VBL/3 SE 3/8	1:11	40	G3/8 12L	80	121	24	18	30	48	35
MQ244064	VBL/3 SE 1/2	1:7.5	70	G1/2 15L	80	119	26	20	32	52	40

**VALVOLA DI BLOCCO PILOTATA
A SEMPLICE EFFETTO A BASETTA**

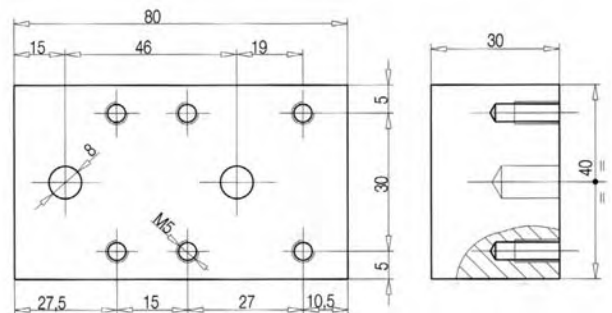
LITTLE BASE DRIVEN CHECK VALVE
CLAPET DE BLOCAGE PILOTEE EFFET SIMPLE
AVEC PETITE BASE
GESTEUERTES SOCKEL-SPERRVENTIL;
EINFACH WIRKEND
VÁLVULA DE RETENCIÓN SIMPLE, GUIADA, CON BASE

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR



ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2	C1 C2	L	L1	L2	L3
			Lt/min.						
MQ244080	V.B.P.S.E. 3/8 A BASETTA	1:6.2	30	G3/8	7	80	91	37	46

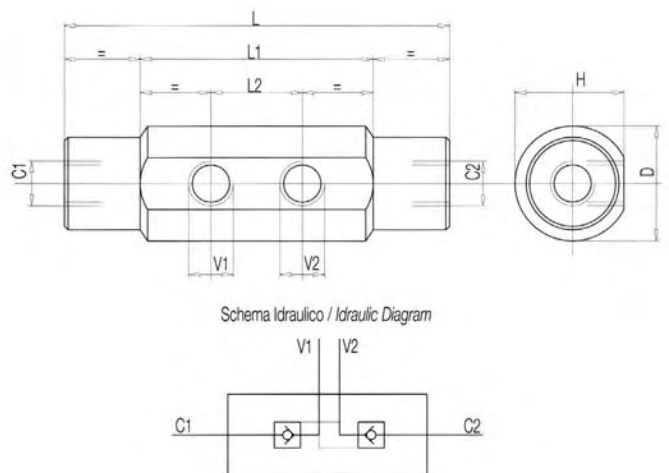
ART.	Sigla Type
MQ244082	BASETTA 3/8 8U0x40x30



**VALVOLA DI BLOCCO PILOTATA
DOPPIO EFFETTO CILINDRICA**

CYLINDRICAL DRIVEN CHECK VALVE
CLAPET DE BLOCAGE PILOTEE EFFET DOUBLE CYLINDRIQUE
GESTEUERTES RUND-SPERRVENTIL; DOPPLET WIRKEND
VÁLVULA DE RETENCIÓN DOBLE, CÍLINDRICA, GUIADA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

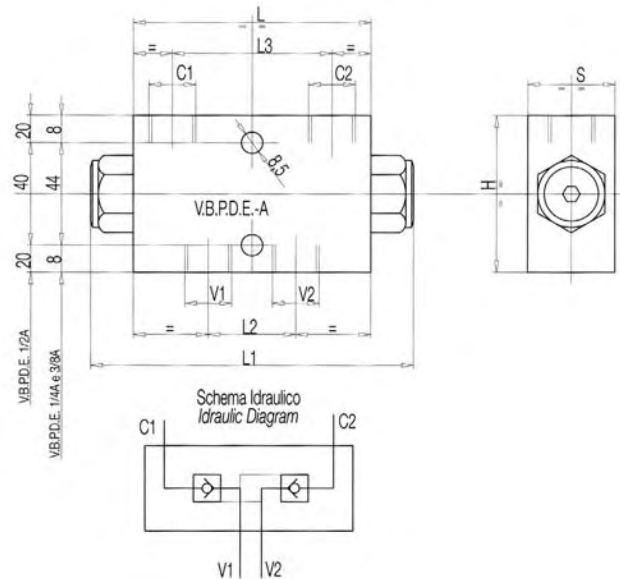


ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C2	L	L1	L2	H	D
			Lt/min.						
MQ244086	V.B.P.D.E. 3/8 CIL.	1:5.2	45	G3/8	156	100	40	44	Ø 48

**VALVOLA DI BLOCCO PILOTATA
A DOPPIO EFFETTO TIPO A**

DOUBLE ACTING DRIVEN CHECK VALVE
CLAPET DE BLOCAGE PILOTÉE EFFET DOUBLE TYPE A
GESTEUERTES SPERRVENTIL DOPPELT WIRKEND, TYP A
VÁLVULA DE RETENCIÓN DOBLE, GUIADA, TIPO A

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR



ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	L3	H	S
			Lt/min.	GAS	mm					
MQ244098	V.B.P.D.E. 1/4 A	1:5.7	25	G1/4	80	112	30	52	60	30
MQ244100	V.B.P.D.E. 3/8 A	1:5.7	30	G3/8	80	112	30	52	60	30
MQ244102	V.B.P.D.E. 1/2 A	1:4.9	55	G1/2	115	157	39	80	80	35

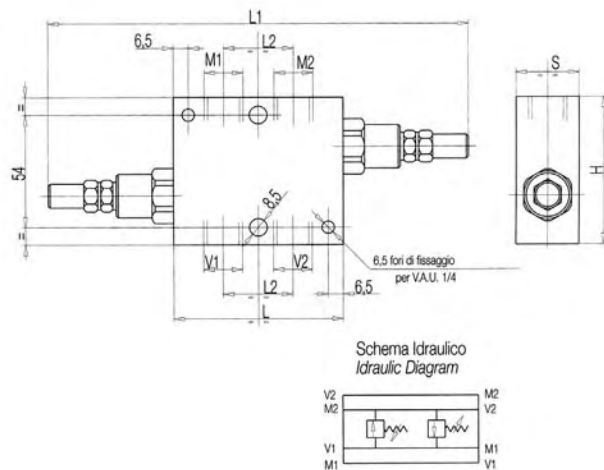
VALVOLA ANTIURTO

STABILIZING ANTISHIP VALVE
CLAPET ANTI-CHOC
DRUCKAUSGLEICHVENTIL
VALVULA ANTISALTOS

Materiale di costruzione: ACCIAIO
Construction: material: STEEL

Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
0-50 BAR / 20-100 BAR / 50-250 BAR / 80-300 BAR

Standard valves are supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
0-50 BAR / 20-100 BAR / 50-250 BAR / 80-300 BAR

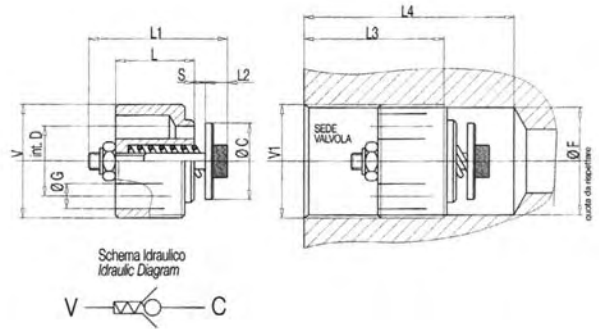


ART.	Sigla Type	Portata max Max flow	V1-V2 C1-C3	L	L1	L2	H	S
		Lt/min.	GAS	mm				
MQ252988	V.A.U. 1/4	30	G1/4	60	184	26	70	30
MQ252990	V.A.U. 3/8	45	G1/4	60	184	26	70	30
MQ252992	V.A.U. 1/2	70	G1/4	60	184	26	70	30
MQ252994	V.A.U. 3/4	110	G1/4	60	184	26	70	30
MQ252996	V.A.U. 1"	160	G1/4	60	184	26	70	30

VALVOLA UNIDIREZIONALE CON BLOCCO AUTOMATICO (PARACADUTE)

AUTOMATIC CHECK VALVE
 CLAPET UNIDIRECTIONNEL
 ROHRBRUCHSICHERUNGSVENTIL
 VALVULA INDIRECCIONAL
 CON BLOQUEO AUTOMÁTICO (PARACAIDAS)

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL
 Pressione massima di esercizio: 350 BAR
 max working pressure: 350 BAR



Si raccomanda di montare una valvola di regolazione flusso a valle delle V.U.B.A.. La taratura "S" delle valvole paracadute deve corrispondere ad una portata almeno 1,5 volte superiore al flusso dell'impianto.

It is advisable to mount a flow regulation valve downstream from teh V.U.B.A.. The "S" rating of the parachute valves must correspond to a delivery flow rate at least 1.5 times greater than the flow of the system.

A richiesta le valvole vengono fornite tarate per flussi desiderati dal cliente ed è possibile ottenere valore differenti attenendosi alla taratura "S" risultante dal diagramma.

Upon request, the valves are supplied already calibrated for the desired flows of the customers and it is possible to obtain different values maintaining the "S" rating shown in the diagram.

ART.	Sigla Type	Portata max Max flow	V-V1	L	L1	L2	L3	L4	ØC	ØG	ØF	D(i)	S
		Lt/min.	GAS	mm									
MQ245010	V.U.B.A 1/4	25	G1/4	8.5	18	5	28	35	9.8	2.5	11.75	8.5	0.8
MQ245011	V.U.B.A 3/8	50	G3/8	11	23	5	31	40	12.5	3	15.2	10.5	1.2
MQ245012	V.U.B.A 1/2	80	G1/2	13	29	5	33	43	16	4.5	19	13	1.6
MQ245013	V.U.B.A 3/4	150	G3/4	18	34	7	40	53	18.5	6.4	24.5	16	2.1
MQ245014	V.U.B.A 1	210	G1	20	40	8	43	66	26	7	30.5	19	2.8

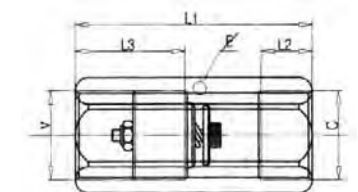
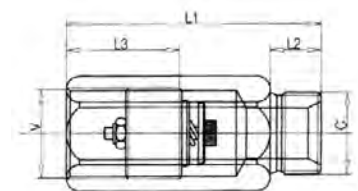
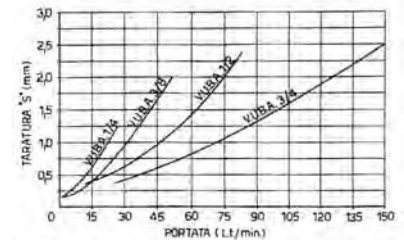
COLONNETTA CON VALVOLA PARACADUTE

STUD-BOLT WITH AUTOMATIC CHECK VALVE
 COLONNETTE AVEC VALVE PARE-CHUTE
 ROHRBRUCHSICHERUNGSBUCHSE
 COLUMN PARA VALVULAS PARACAIDAS

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL
 Pressione massima di esercizio: 350 BAR
 Max working pressure: 350 BAR

ART.	Sigla Type	V-C	L	L1	L2	E
		GAS	mm			
MQ246010	V.U.B.A. 1/4 + MF	G1/4	50	12	28	19
MQ246011	V.U.B.A. 3/8 + MF	G3/8	58	13	31	24
MQ246012	V.U.B.A. 1/2 + MF	G1/2	62	14	33	27
MQ246013	V.U.B.A. 3/4 + MF	G3/4	75	16	40	32
MQ246014	V.U.B.A. 1 + MF	G1	85	19	43	41

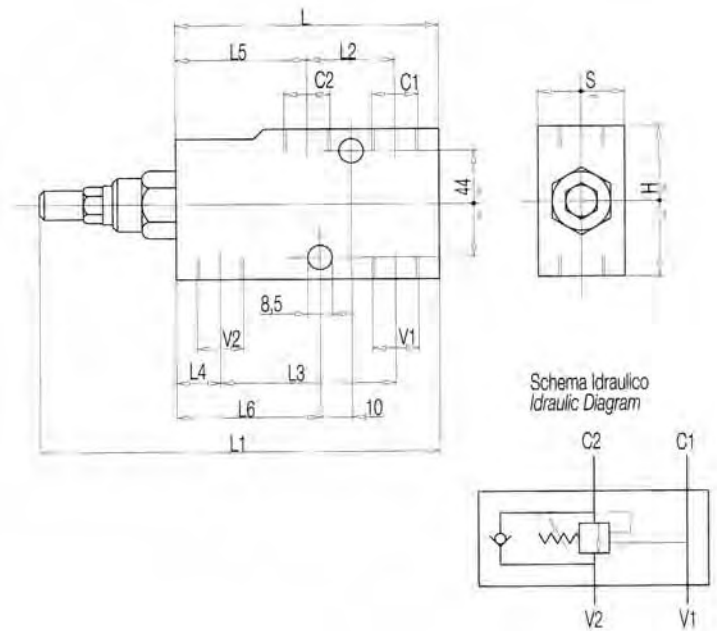
ART.	Sigla Type	V-C	L	L1	L2	E
		GAS	mm			
MQ247010	V.U.B.A. 1/4 + FF	G1/4	50	16	28	19
MQ247011	V.U.B.A. 3/8 + FF	G3/8	58	17	31	24
MQ247012	V.U.B.A. 1/2 + FF	G1/2	62	18	33	27
MQ247013	V.U.B.A. 3/4 + FF	G3/4	75	21	40	32
MQ247014	V.U.B.A. 1 + FF	G1	85	26	43	41



**VALVOLA DI BLOCCO E CONTROLLO
DISCESA TIPO A**

OVERCENTER VALVE
CLAPET OVERCENTER
SENKBREMSVENTIL
OVERCENTER VALVULA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

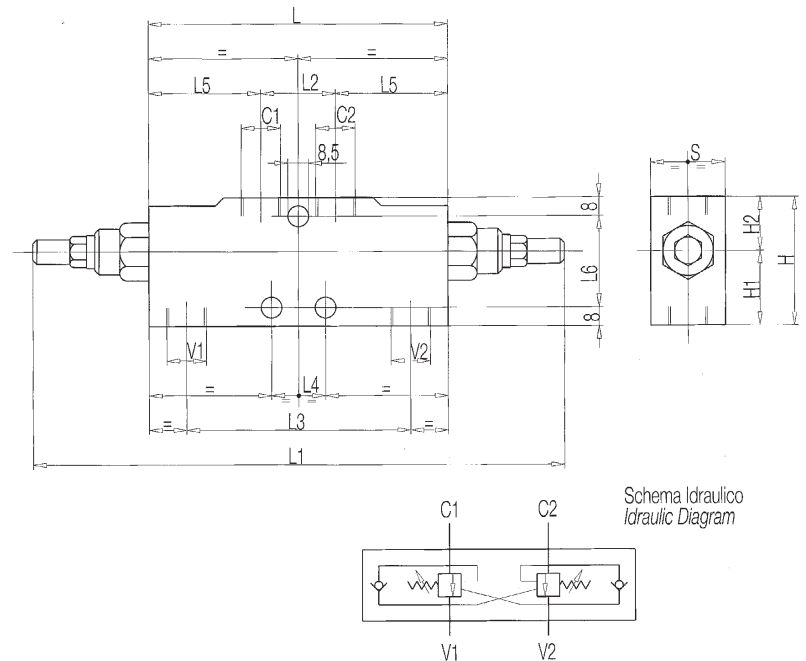


ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C2	L	L1	L2	L3	L4	L5	L6	H	S
			Lt/min.										
MQ249038	VBCD 3/8 SE/A	1:4	40	G3/8	100	149	30	60	20	50	55	60	30
MQ249040	VBCD 1/2 SE/A	1:4	60	G1/2	100	149	35	65	20	50	57.5	60	30
MQ249042	VBCD 3/4 SE/A	1:3	95	G3/4	127	192	45	64	23.5	62.5	75	80	35

**VALVOLA DI BLOCCO E CONTROLLO
DISCESA TIPO A**

OVERCENTER VALVE
CLAPET OVERCENTER
SENKBREMSVENTIL
OVERCENTER VALVULA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR



ART.	Sigla Type	Rapp. di pilotaggio Pilot ratio	Portata max Max flow	V1-V2 C1-C2	L	L1	L2	L3	L4	L5	L6	H1	H2	H	S
			Lt/min.												
MQ249030	VBCD 3/8 DE/A	1:4	40	G3/8	150	248	50	110	30	50	44	32	28	60	30
MQ249032	VBCD 1/2 DE/A	1:4	60	G1/2	150	248	50	110	30	50	44	32	28	60	30
MQ249034	VBCD 3/4 DE/A	1:3	95	G3/4	190	320	65	143	44	62.5	64	40	40	80	35

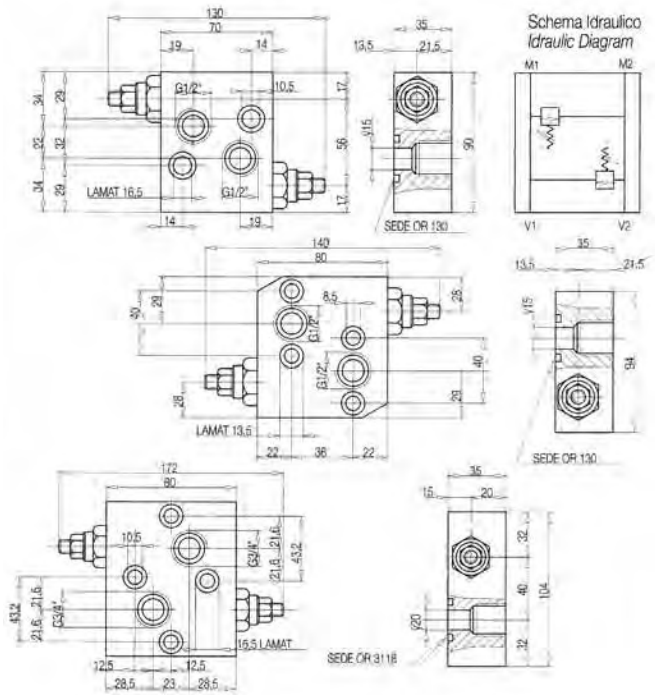
**VALVOLA ANTIURTO PER MOTORI ORBITALI
OMP/OMR**

STABILIZING ANTISHIP VALVE HYDRAULIC MOTORS
CLAPET ANTI-CHOC POUR MOTEUR ORBITAL SERIE OMP/OMR
DRUCKAUSGLEICHVENTIL VENTILMOTOREN
VALVULA ANTISALTOS MOTOR IDRAULICO

Materiale di costruzione: ACCIAIO
Construction: material: STEEL

Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
0-50 BAR / 20-100 BAR / 50-250 BAR
80-300 BAR

Standard valves ar supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
0-50 BAR / 20-100 BAR / 50-250 BAR
80-300 BAR

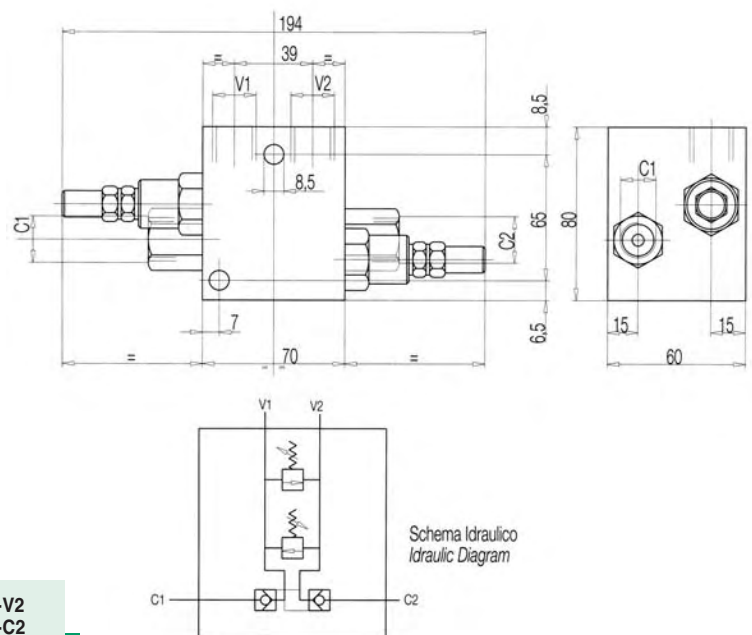


ART.	Sigla Type	Portata max Max flow	V1-V2
		Lt/min.	GAS
MQ253010	V.A.U. OMS 1/2	50	G1/2
MQ253011	V.A.U. OMP-OMR 1/2	60	G1/2
MQ253012	V.A.U. OMT 3/4	100	G3/4

VALVOLA DI BLOCCO E ANTIURTO

SHOCK RESISTANT VALVE
CLAPET ANTICHOCH
DRUCKSTOßVENTIL
VÁLVULA ANTICHOQUE

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR



ART.	Sigla Type	Portata max Max flow	V1-V2 C1-C2
		Lt/min.	GAS
MQ253030	V.B.A.U. 3/8	35	G3/8

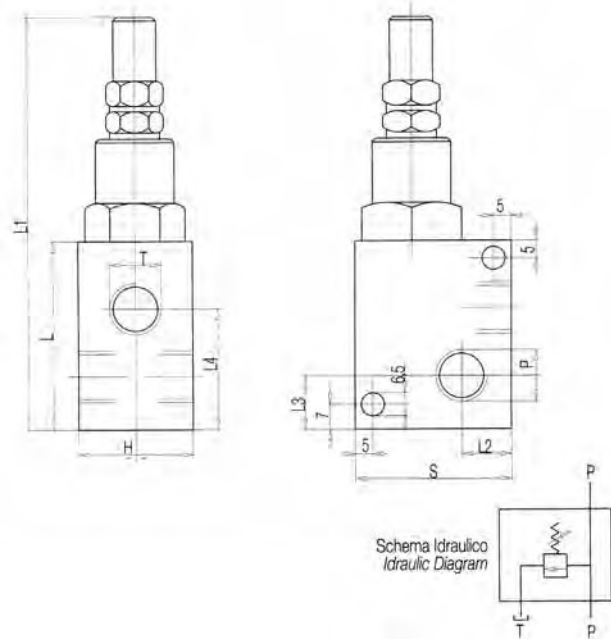
VALVOLA DI MASSIMA PRESSIONE DIRETTA

MAX PRESSURE VALVE
 LIMITEUR DE PRESSION DIRECTE
 ÜBERDRUCKVENTIL
 VALVULAS LIMITADORA DE PRESIÓN

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL

Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
 0-50 BAR / 20-100 BAR / 50-250 BAR
 80-300 BAR

Standard valves ar supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
 0-50 BAR / 20-100 BAR / 50-250 BAR
 80-300 BAR



ART.	Sigla Type	Portata max Max flow	P-T	L	L1	L2	L3	L4	H	S
		Lt/min.	GAS	mm						
MQ254010	V.M.P. 1/4L	30	G1/4	52	114	12	13	34	30	40
MQ254011	V.M.P. 3/8L	40	G3/8	55	117	12	15	35.5	30	40

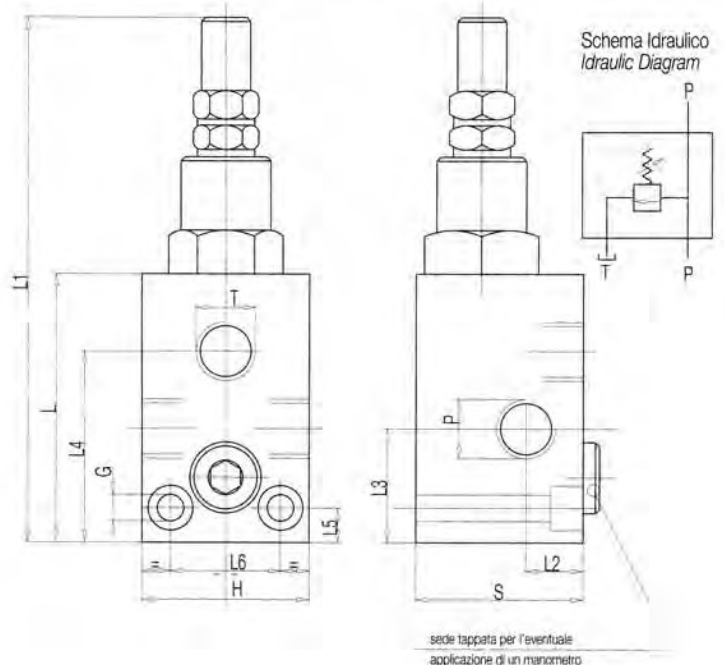
VALVOLA DI MASSIMA PRESSIONE DIRETTA

MAX PRESSURE VALVE
 LIMITEUR DE PRESSION DIRECTE
 ÜBERDRUCKVENTIL
 VALVULAS LIMITADORA DE PRESIÓN

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL

Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
 0-50 BAR / 20-100 BAR / 50-250 BAR
 80-300 BAR

Standard valves ar supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
 0-50 BAR / 20-100 BAR / 50-250 BAR
 80-300 BAR

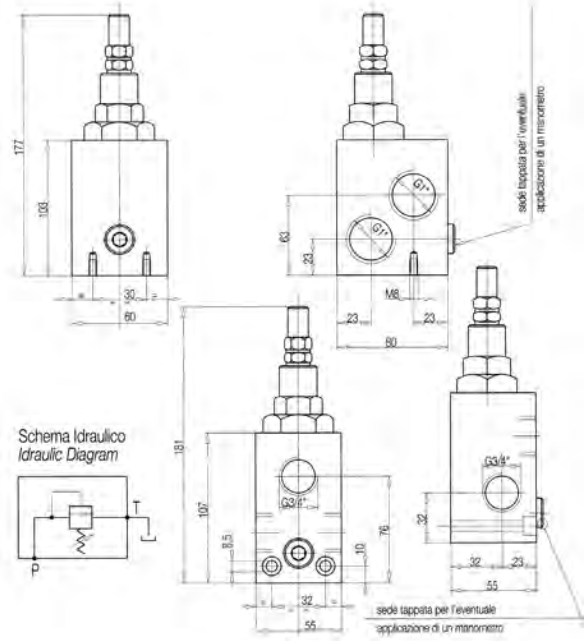


ART.	Sigla Type	Portata max Max flow	P-T	L	L1	L2	L3	L4	L5	L6	G	H	S
		Lt/min.	GAS	mm									
MQ254012	V.M.P. 1/2	70	G1/2	77	139	30	29.5	54	8.5	30	6.5	45	45
MQ254013	V.M.P. 3/4	120	G3/4	92	154	32	35	68	10	32	8.5	50	50

VALVOLA MASSIMA PRESSIONE PILOTATA

MAX PRESSURE DRIVEN VALVE
 CLAPET PILOTÉE PRESSION MAXIMUM
 GESTEUERTES MAXIMALDRUCK-VENTIL
 VÁLVULA DE PRESIÓN MÁXIMA, GUIADA

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL



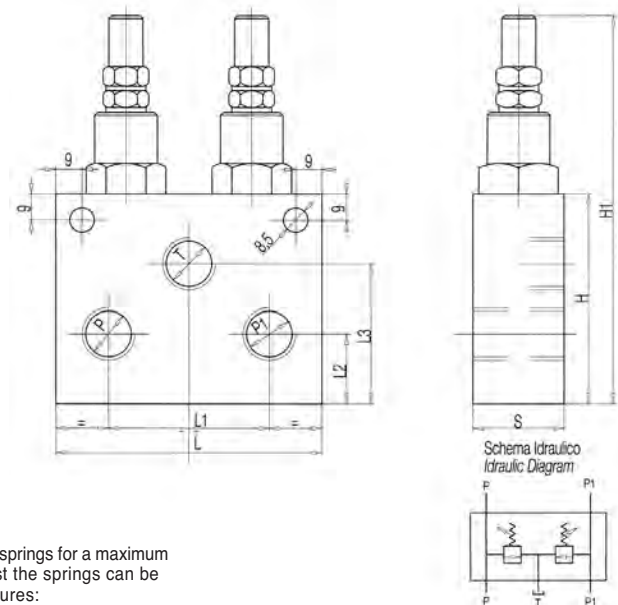
ART.	Sigla Type	Portata max Max flow	Molle standard Spring standard	Molle a Richiesta Spring on request
		Lt/min.	Bar	Bar
MQ254030	V.M.P.P. 3/4	120	50-400	20-200
MQ254032	V.M.P.P. 1	180	50-400	20-200

VALVOLA DI MASSIMA PRESSIONE DOPPIA

MAX PRESSURE DOUBLE VALVE
 CLAPET DOUBLE PRESSION MAXIMUM
 2-FACHES MAXIMALDRUCK-VENTIL
 VÁLVULA DOBLE DE PRESIÓN MÁXIMUM

Materiale di costruzione: ACCIAIO
 Construction: material: STEEL

Pressione massima di esercizio: 300 BAR
 Max working pressure: 300 BAR



Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
 0-50 BAR / 20-100 BAR / 50-250 BAR / 80-300 BAR

Standard valves are supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
 0-50 BAR / 20-100 BAR / 50-250 BAR / 80-300 BAR

ART.	Sigla Type	Portata max Max flow	P-P1-T	L	L1	L2	L3	H	H1	S
		Lt/min.	GAS	mm						
MQ255010	V.M.P.D. 3/8	45	G3/8	98	62	24	46	70	132	30
MQ255011	V.M.P.D. 1/2	70	G1/2	98	65	24	46	70	132	30

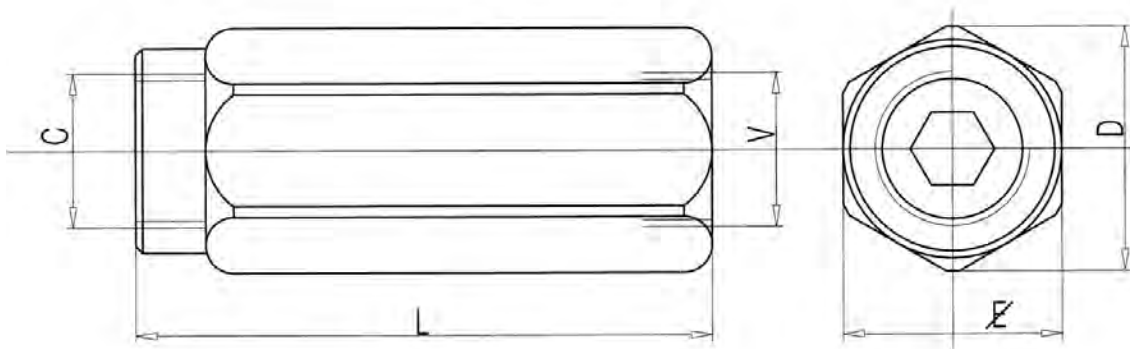
**VALVOLA UNIDIREZIONALE TENUTA A CONO
(VALVOLA DI NON RITORNO)**

ONE WAY VALVE
CLAPET ANTI RETOUR, UNIDIRECTIONNEL
RÜCKSCHLAGVENTIL
VALVULA ANTIRETORNO

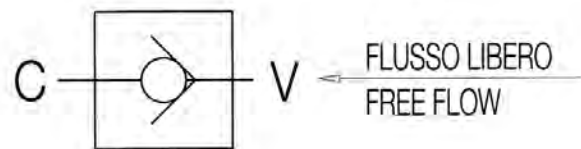
Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

La pressione d'apertura standard è riportata in tabella a richiesta si forniscono le valvole con taratura crescenti fino ad un massimo di 8 Bar.
Sempre a richiesta le valvole vengono fornite con un foro per il ritorno calibrato dell'olio, da specificare in fase d'ordine.

On request we can supply valves with increasing calibration up to a maximum of 8 Bar. Also on request the valves are supplied with a hole for calibrated oil return.



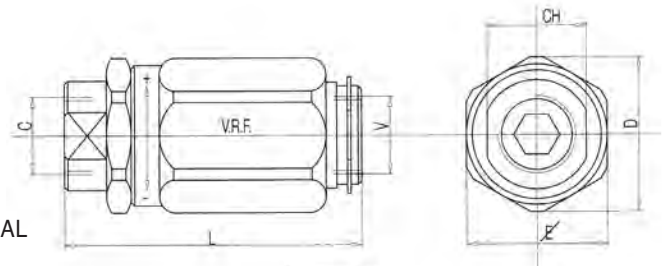
Schema Idraulico
Hydraulic Diagram



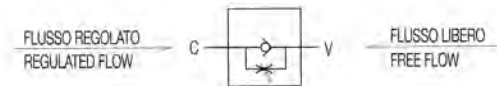
ART.	Sigla Type	Portata max Max flow	Press. d'apertura Cracking pressure	V1-V2 C1-C3	L	E	D
		Lt/min.	Bar	GAS			
MQ258010	V.U. 1/4	30	± 0.4/0.7	G1/4	62	19	21
MQ258011	V.U. 3/8	45	± 0.4/0.7	G3/8	68	24	26.5
MQ258012	V.U. 1/2	70	± 0.4/0.7	G1/2	77	30	34
MQ258013	V.U. 3/4	110	± 0.4/0.7	G3/4	88	36	40
MQ258014	V.U. 1"	160	± 0.4/0.7	G1	105	41	47
MQ258015	V.U. 1" 1/4	200	1	G1 1/4	135	50	57
MQ258016	V.U. 1" 1/2	300	1	G1 1/2	145	65	73

**VALVOLA DI STROZZAMENTO UNIDIREZIONALE
A MANICOTTO**

CLOSING ON WAY BALL VALVE
CLAPET D'ESTRANGLEMENT REGLABLE, A SPHERE,
UNDIRECTIONNEL
KUGELRÜCKSCHLAGVENTIL
VALVULA ESTRANGULADOR CON ANTIRATORNO UNIDIRECCIONAL



Schema Idrraulico
Idraulic Diagram

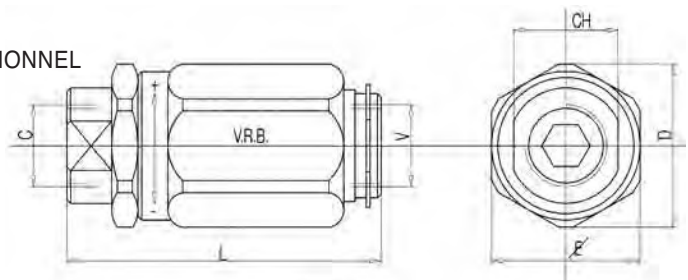


Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR

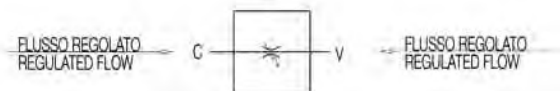
ART.	Sigla Type	Portata max Max flow	V-C	L	E	CH	D
		Lt/min.	GAS-MET	mm			
MQ260010	V.R.F. 1/4	30	G1/4	66.5	30	19	34
MQ260011	V.R.F. 3/8	45	G3/8	73	32	24	36
MQ260012	V.R.F. 1/2	70	G1/2	80	38	27	42
MQ260013	V.R.F. 3/4	110	G3/4	95	46	32	51
MQ260014	V.R.F. 1	160	G1	109	55	41	60

**VALVOLA DI STROZZAMENTO BIDIREZIONALE
A MANICOTTO**

CLOSING BALL VALVE
CLAPET D'ESTRANGLEMENT REGLABLE, A SPHERE, BIDIRECTIONNEL
VERSTELLBARES KUGELRÜCKSCHLAGVENTIL
ESTANGULADOR BIDIRECCIONAL



Schema Idrraulico
Idraulic Diagram

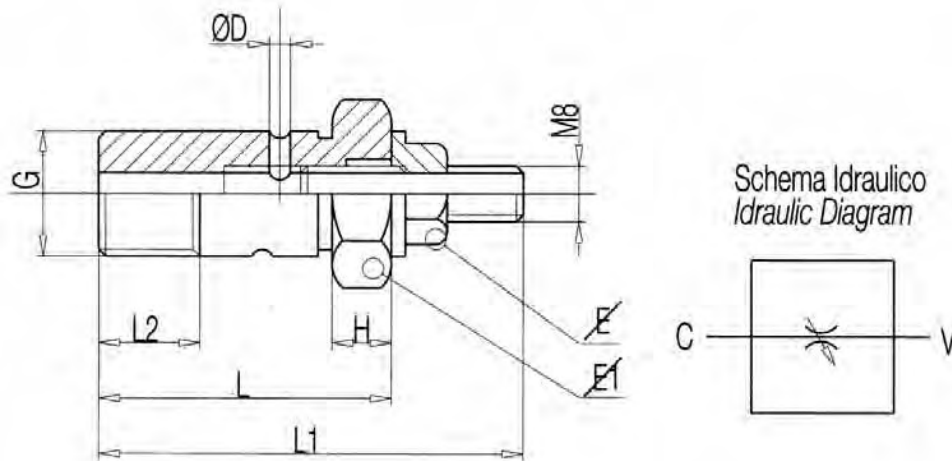


Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR

ART.	Sigla Type	Portata max Max flow	V-C	L	E	CH	D
		Lt/min.	GAS-MET	mm			
MQ261010	V.R.F. 1/4	30	G1/4	66.5	30	19	34
MQ261011	V.R.F. 3/8	45	G3/8	73	32	24	36
MQ261012	V.R.F. 1/2	70	G1/2	80	38	27	42
MQ261013	V.R.F. 3/4	110	G3/4	95	46	32	51
MQ261014	V.R.F. 1	160	G1	109	55	41	60

VITE STROZZATRICE

THROTTLING SCREW
VIS D'ÉTRANGLEMENT
DROSSELSCHRAUBE
TORNILLO ESTRANGULADOR



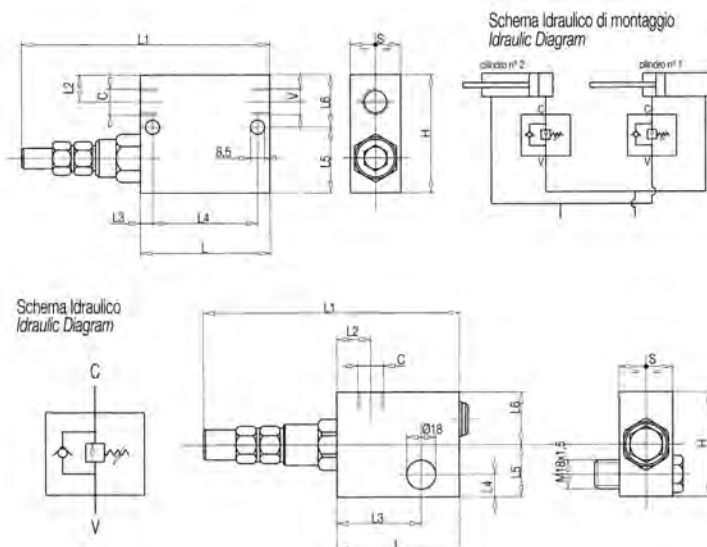
ART.	Sigla Type	G	L	L1	L2	H	D	∅	∅1
		GAS mm							
MQ261050	VITE STROZZATRICE 1/4	G1/4	36	53	15	7	2.5	13	19
MQ261052	VITE STROZZATRICE 3/8	G3/8	39	58	15	8	3	13	22

VALVOLA DI SEQUENZA

SEQUENCE VALVE
VALVES DE SEQUENCE
DRUCKFOLGE VENTILE
VALVULA DE SECUENCIA

Le valvole standard sono fornite con molla per pressione max di 180 Bar. A richiesta si forniscono molle con le seguenti pressioni:
0-50 BAR / 20-100 BAR / 50-250 BAR
80-300 BAR

Standard valves are supplied with springs for a maximum pressure of 180 Bar. On request the springs can be supplied for the following pressures:
0-50 BAR / 20-100 BAR / 50-250 BAR
80-300 BAR

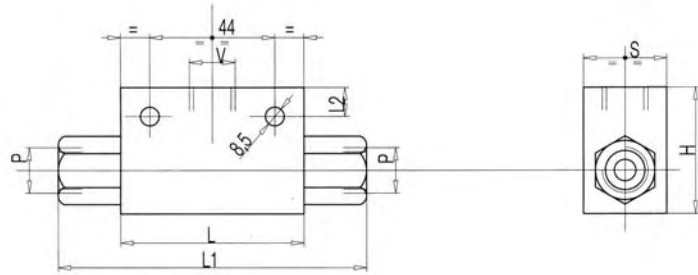


ART.	Sigla Type	Portata max Max flow	C-V	L	L1	L2	L3	L4	L5	L6	H	S
		Lt/min.	GAS	mm								
MQ261510	V.S.2.C. 3/8	35	G3/8	74	146	14	7	55	39	31	70	30
MQ261512	V.S.2.C. 1/2	60	G1/2	80	152	15	7	55	37	33	70	30

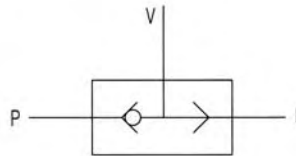
VALVOLA COMMUTATRICE

INVERSION VALVE
CLAPET COMMUTATEUR
UMSCHALTVENTIL
VÁLVULA CONMUTATRIZ

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR



Schema Idraulico / Hydraulic Diagram

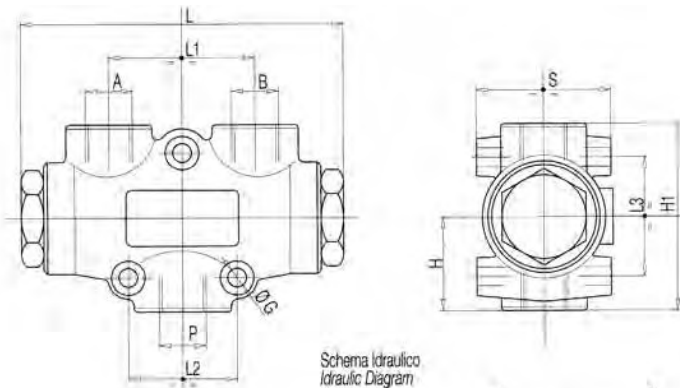


ART.	Sigla Type	Portata max Max flow	V-P	L	L1	L2	H	S
		Lt/min.	GAS	mm				
MQ261520	V.U.2.P. 1/4	30	G1/4	60	104	9	40	30
MQ261522	V.U.2.P. 3/8	45	G3/8	60	104	9	40	30
MQ261524	V.U.2.P. 1/2	70	G1/2	60	104	12	50	30
MQ261526	V.U.2.P. 3/4	110	G3/4	80	130	12	58	30

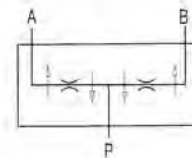
VALVOLA EQUILIBRATRICI A 2 VIE

2-WAY STABILIZING VALVE
CLAPET ÉQUILIBREUR À 2 VOIES
2-WEG-AUSGLEICHVENTIL
VÁLVULA EQUILIBRADORA DE DOS VÍAS

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
I valori della portata sono riferiti all'ingresso "P"
Capacity values refer to input "P"



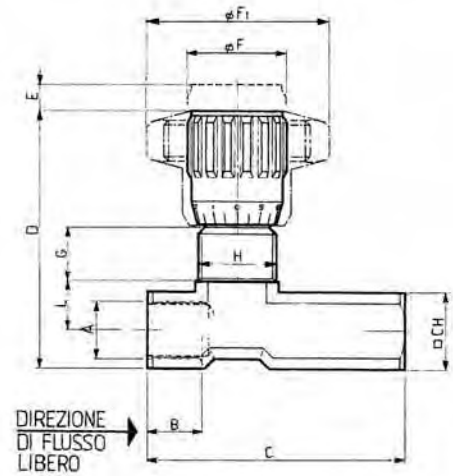
Schema Idraulico / Hydraulic Diagram



ART.	Sigla Type	Portata max Max flow	P	A-B	L	L1	L2	L3	ØG	H	H1	S
		Lt/min.	GAS	GAS	mm							
MQ261538	V - EQ - 10	3/6	G3/8	G3/8	117	53	40	45	7	35	68	48
MQ261540	V - EQ - 15	6/10	G3/8	G3/8	117	53	40	45	7	35	68	48
MQ261542	V - EQ - 20	10/20	G3/8	G3/8	117	53	40	45	7	35	68	48
MQ261543	V - EQ - 22	20/32	G3/8	G3/8	117	53	40	45	7	35	68	48
MQ261544	V - EQ - 25	25/40	G1/2	G3/8	117	53	40	45	7	35	68	48
MQ261546	V - EQ - 30	40/60	G1/2	G3/8	117	53	40	45	7	35	68	48
MQ261547	V - EQ - 50	60/80	G1/2	G3/8	117	53	40	45	7	35	68	48

REGOLATORE DI FLUSSO UNIDIREZIONALE

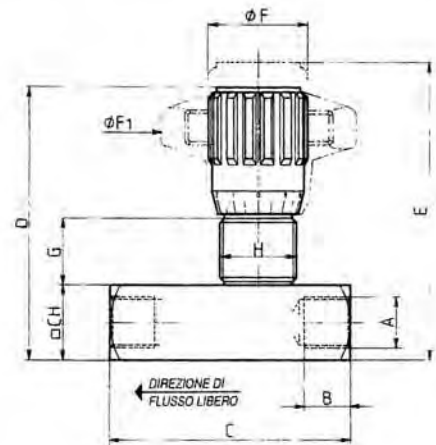
ONEWAY FLOW CONTROL VALVES
 REGULATEUR DE DEBIT UNIDIRECTIONNEL
 EINSEITIGES FLUSSREGEL VENTIL
 REGULADOR UNIDIRECCIONAL



ART.	A UNI 338	B	C	D	F	G	H	L	CH	Pres. Max Bar
MQ262010	1/4"G	12	56	57	22	11.5	M17x1	11	17	200
MQ262012	3/8"G	13	64.5	69	27	12.5	M20x1	15	22	200
MQ262014	1/2"G	16	87	82	33	13	M25x1,5	19	27	200

REGOLATORE DI FLUSSO UNIDIREZIONALE

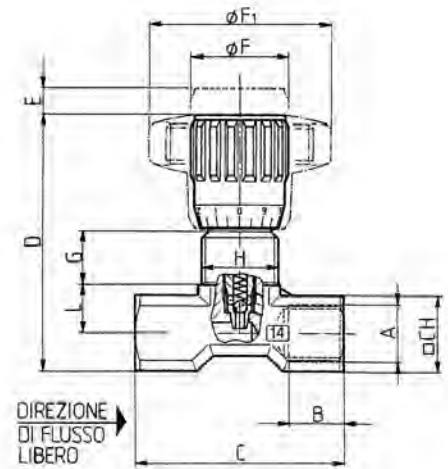
ONEWAY FLOW CONTROL VALVES
 REGULATEUR DE DEBIT UNIDIRECTIONNEL
 EINSEITIGES FLUSSREGEL VENTIL
 REGULADOR UNIDIRECCIONAL



ART.	A UNI 338	B	C	D	F	G	H	CH	Pres. Max Bar
MQ262011	1/4"G	12.5	66	71	27	17	M20x1	20	400
MQ262013	3/8"G	12.5	79	84	33	19.5	M25x1,5	25	400
MQ262015	1/2"G	15.5	94.5	97	38	21	M30x1,5	30	400
MQ262016	3/4"G	17	115	120.5	47	26.5	M40x1,5	40	400
MQ262017	1"G	20	138.5	151.5	58	35	M50x1,5	50	400
MQ262018	1 1/4"G	22	157	156.5	58	35	M50x1,5	55	300
MQ262019	1 1/2"G	24	190	167	58	35	M55x2	65	300
MQ262020	2"G	27	228	188	85	44	M65x2	75	250

REGOLATORE DI FLUSSO BIDIREZIONALE

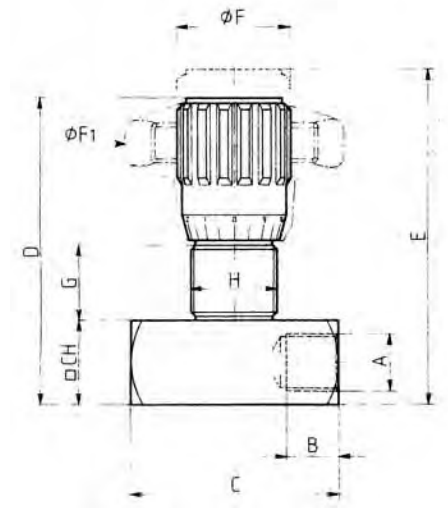
FLOW CONTROL VALVES
 REGULATEUR DE DEBIT BIDIRECTIONNEL
 BEIDSEITIGES FLUSSREGEL VENTIL
 REGULADOR BIDIRECCIONAL



ART.	A UNI 338	B	C	D	F	G	H	L	CH	Pres. Max Bar
MQ263010	1/4"G	12	46	57	22	11.5	M17x1	11	17	200
MQ263012	3/8"G	13	55	69	27	12.5	M20x1	15	22	200
MQ263014	1/2"G	16	70	82	33	13	M25x1,5	19	27	200

REGOLATORE DI FLUSSO BIDIREZIONALE

FLOW CONTROL VALVES
 REGULATEUR DE DEBIT BIDIRECTIONNEL
 BEIDSEITIGES FLUSSREGEL VENTIL
 REGULADOR BIDIRECCIONAL



ART.	A UNI 338	B	C	D	F	G	H	CH	Pres. Max Bar
MQ263011	1/4"G	12.5	49	71	27	17	M20x1	20	400
MQ263013	3/8"G	12.5	59	84	33	19.5	M25x1,5	25	400
MQ263015	1/2"G	15.5	68	97	38	21	M30x1,5	30	400
MQ263016	3/4"G	17	86	120.5	47	26.5	M40x1,5	40	400
MQ263017	1"G	20	105	151.5	58	35	M50x1,5	50	400
MQ263018	1 1/4"G	22	120	156.5	58	35	M50x1,5	55	300
MQ263019	1 1/2"G	24	134	167	58	35	M55x2	65	300
MQ263020	2"G	27	150	188	85	44	M65x2	75	250

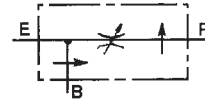
VALVOLA PRIORITARIA TARATURA REGOLABILE

PRIORITY VALVE
VALVE PRIORITARIE
VORZUG - VENTIL
VALVULA PRIORITARIA CON TARA REGOLARE

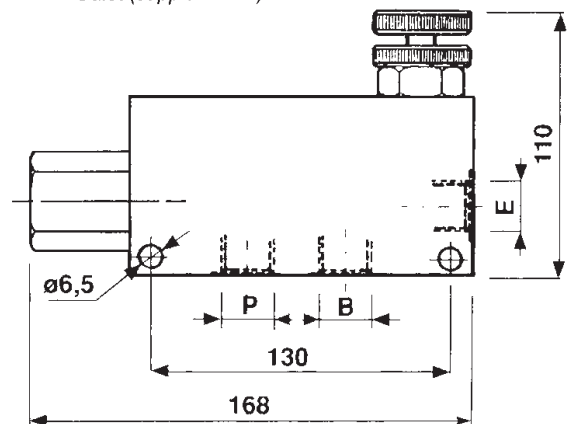
QE = con portata max in entrata "E"
QP = portata max in uscita
Valvola per la regolazione flusso
Con portata eccedente a scarico molto usata nella variazione della velocità di cilindri e motori orbitali

Funzionamento: Sono valvole regolatrici di portata con sistema prioritario a taratura regolabile. Assicurano il flusso costante prioritario e consentono l'utilizzazione del flusso in eccesso per un secondo circuito.

Fuctioning: Flow regulator valves with adjustable calibration priority sistem they assure a costant priority flow and teh allow the use of the excess flow fora second circuit.



E = Entrata - Inlet
P = Uscita (preferenziale)
Oulet (preferential)
B = Uscita (supplementare)
Oulet (supplemental)



ART.	QE lt./min.	QP lt./min.	Filetto GAS
MQ266010	65	30	3/8"
MQ266011	90	55	1/2"

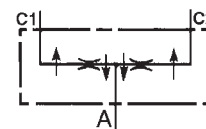
DIVISORE DI FLUSSO A TARATURA FISSA

FLOW DIVIDERS
DIVISEUR DE DEBIT
ÖLSTROMVERTEILER EINFACHWIRKEND
DIVISIOR CON TARA FIJA

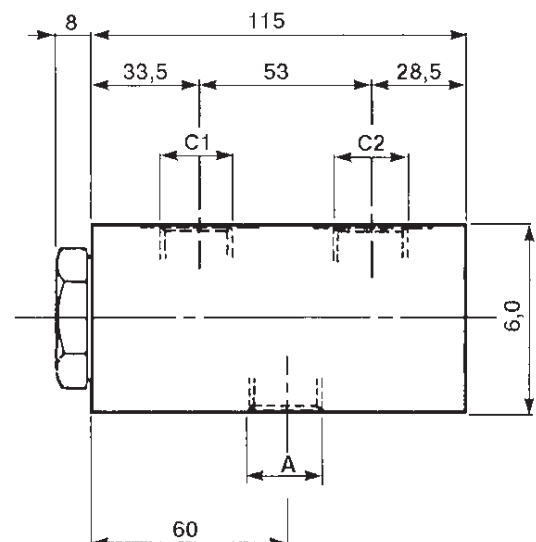
Rapporto di divisione 50% - 50%

Funzionamento: La portata della pompa viene divisa in parti uguali indipendentemente dalla pressione. Nella direzione inversa riuniscono il flusso.

Fuctioning: The pump delivery is divided in 2 equal shares aside from teh pressure. In the opposite direction they re-unite again the flow



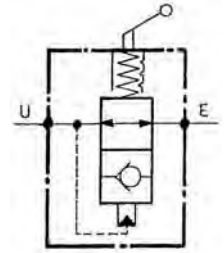
A = Entrata - Inlet
C1 - C2 = Uscite - Oulet



ART.	Filetto Gas	Litri Lt.
MQ267010	3/8"	3/6
MQ267011	3/8"	6/12
MQ267012	3/8"	12/25
MQ267014	1/2"	25/38
MQ267016	1/2"	28/55

**VALVOLA DI FRENATURA IDRAULICA
A LEVA PER RIMORCHI**

HYDRAULIC BREAKING VALVE, WITH LEVER FOR TRAILERS
VALVE FREINAGE HYDRAULIQUE A LEVIER
HYDRAULIK BREMSVENTIL, MIT HEBEL FÜR ANHANGER
VALVULA DE FRENO HIDRAÚLICO CON PALANCA

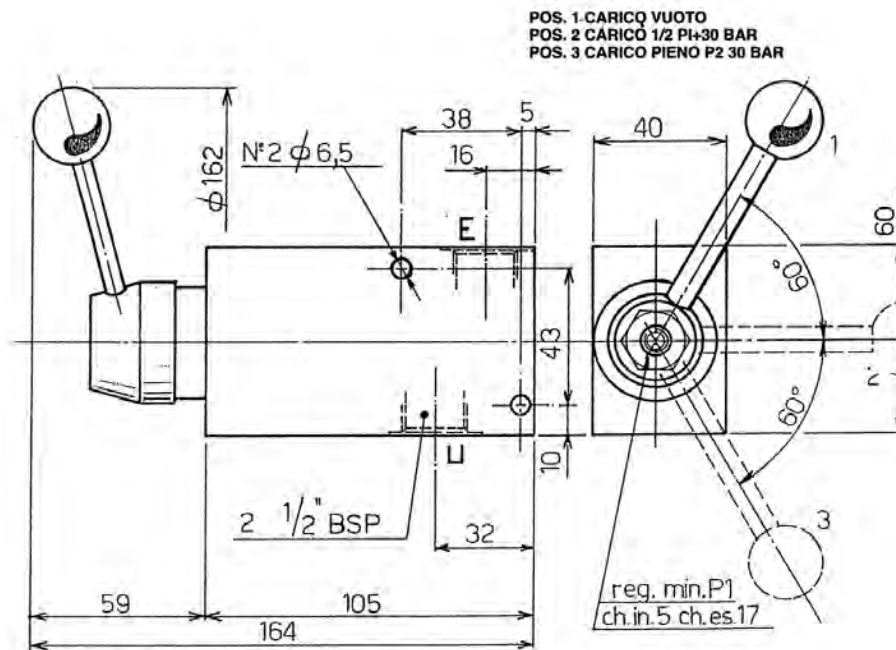


- Regolazione proporzionale della pressione
- Rapidità d'intervento anche a basse temperature ambiente
- Inizio regolazione dolo dopo il superamento degli attriti del cilindro di frenatura (10 bar)
- Esecuzione a dede con trafilemento minimo in posizione di regolazione
- 3 posizioni d'inserzione (vuoto - metà - pieno carico)
- dimensioni contenute
- Esecuzione "fail-safe" (imane aperta in caso d'avaria)

Dati tecnici:

- Rapporto tra peso e vuoto e peso a pieno carico 1:5

La valvola compensatrice garantisce il rispetto della normativa in materia di impianti frenanti in qualsiasi condizione di carico. I rimorchi sono caratterizzati normalmente da una notevole differenza tra peso a vuoto e peso a pieno carico. La prescritta pressione di frenatura delle trattrici deve quindi essere adeguata alla condizione del carico del rimorchio per evitare un bloccaggio delle ruote, ad es. a veicolo scarico. Questa valvola rapporto tra le pressione d'ingresso e d'uscita a seconda dei valori di taratura prefissati.



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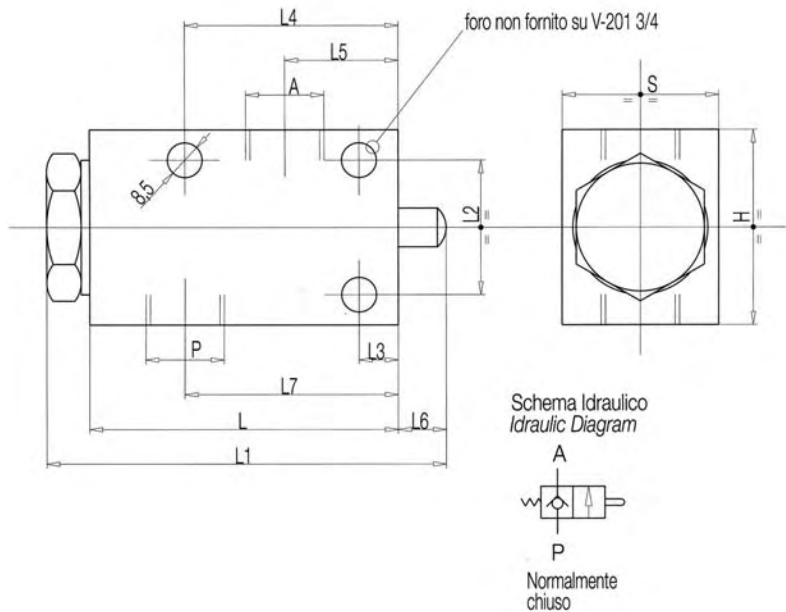
ART.

MQ270010

VALVOLA FINECORSA

END OF STROKE VALVE
CLAPET DE FIN DE COURSE
ENDLAUFVENTIL
VÁLVULA FIN DE CARRERA

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 350 BAR
max working pressure: 350 BAR



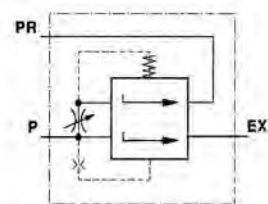
ART.	Sigla Type	Portata max Max flow	P-A	L	L1	L2	L3	L4	L5	L6	L7	H	S
		Lt/min.	GAS	mm									
MQ272010	V - 101 3/8	40	G3/8	80	105	35	10	55	30	14	55	50	35
MQ272011	V - 121 1/2	60	G1/2	80	105	35	10	55	28.5	14	55	50	35
MQ272012	V - 201 3/4	100	G3/4	88	115	50	20	68	23	14	61	70	45

REGOLATORE DI FLUSSO PRIORITARIO (CORPO IN GHISA)

PRIORITY ADJUSTER (CAST IRON HOUSING)
REGULATEUR DE FLUXE PRIORITAIRE (CORP EN FONT)
FLUSSREGEL VENTIL (AUS GUSS)
REGULATOR DE FLUJO (CUERPO DE FUNDICIÓN)

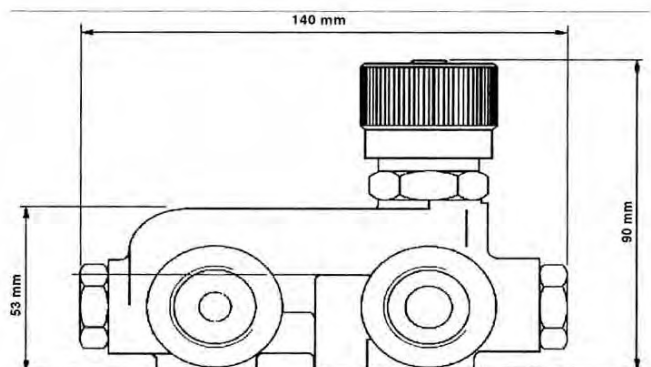
Funzionamento: Il flusso prioritario è regolabile ed è mantenuto costante. Il flusso eccedente può alimentare un secondo circuito, o essere mandato in serbatoio.

Working datas: The priority flow is adjustable and is kept constant. The exceding flow can be used for 1 more circuit, or sent to the tank.



P = POMPA - Pump
PR = PRIORITARIO - Priority
X = ECCESSO - Over Flow

ART.	Filetto Gas	Portata max.
MQ278010	1/2"	50



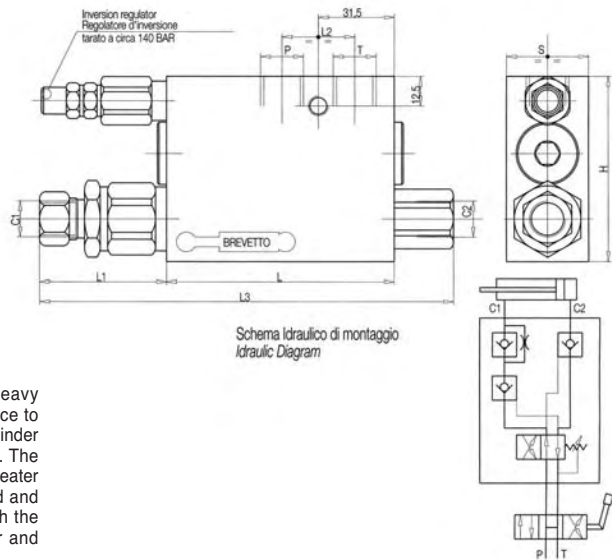
**VALVOLA PER RIBALTAMENTO DELL'ARATRO
DOPPIO EFFETTO**

PLOUGH REVOLVING VALVE
CLAPET RENVERSEMENT CHARRUE
PFLUNGWENDEVENTIL
VALVULA LEVANTAMIENTO DE ARADO

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

Questa valvola, la VRAP/DE può essere montata su aratri pesanti e sbilanciati. In riferimento alla sigla richiesta copre una gamma di cilindri con sezione da Ø40 a Ø130. Con la valvola di blocco a doppio effetto dà maggiore sicurezza ed il cilindro può essere fermato e bloccato in qualsiasi posizione; inoltre con la valvola d'inversione pilotata sviluppa una maggiore potenza e velocità.

The VRAP/DE can be mounted on heavy and unbalanced ploughs. With reference to the required type, the range includes cylinder with section varying from Ø40 to Ø130. The double acting cut of valve guarantees greater safety and the cylinder can be stopped and blocked in any position. Moreover, with the piloted reversing valve greater power and speed can be obtained.



ART.	Sigla Type	C2 P-T	C1	L1	L2	L3	L4	H	S
		GAS							
MQ280011	VRAP 60/80 DE	G3/8	Ø12	94	69	30	177	80	35
MQ280012	VRAP 80/100 DE	G3/8	Ø12	94	69	30	177	80	35
MQ280013	VRAP 100/110 DE	G3/8	Ø12	94	69	30	177	80	35
MQ280014	VRAP 110/130 DE	G3/8	Ø12	94	69	30	177	80	35

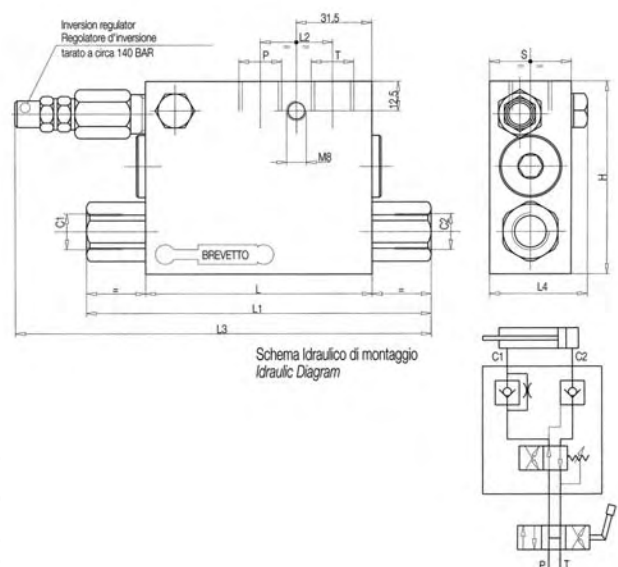
**VALVOLA RIBALTAMENTO ARATRO
A SEMPLICE EFFETTO**

SINGLE ACTING VALVE FOR PLOUGH REVOLVING
CLAPET EFFET SIMPLE POUR RENVERSEMENT CHARRUE
PFLUGWENDEVENTIL - EINFACH WIRKEND
VÁLVULA SIMPLE DE ROTACIÓN DEL ARADO

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR
Pressione max di ritegno: 400 BAR
Maximum holding pressure: 400 BAR

Questa valvola, la VRAP/SE, è una delle più economiche ed è consigliabile per aratri bilanciati e leggeri; può essere montata su cilindri che vanno da Ø40 al Ø80 (interno). Con valvola di blocco a semplice effetto mantiene la sicurezza solo dalla parte del fondello mentre dalla parte dello stelo deve essere appoggiata sui fermi meccanici dell'aratro; inoltre ha la valvola d'inversione diretta.

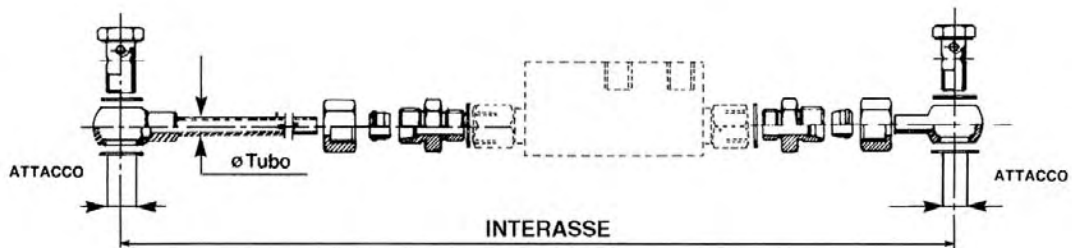
The VRA SE Valve is one of the most economical valves on the market and it is the ideal valve for light balance ploughs; it can be installed on cylinders ranging from Ø40 to Ø80 (inside measure). The single-acting cut-off valve provides for the safety of the bottom only, where as near the rod valve must be placed on the plough's mechanical locking device. It also has a direct reversing valve.



ART.	Sigla Type	C1-C2 P-T	L	L1	L2	L3	L4	H	S
		GAS							
MQ280008	VRA 40/50 SE	G3/8	94	142	30	177	42	80	35
MQ280010	VRA 60/80 SE	G3/8	94	142	30	177	42	80	35

KIT RACCORDERIA PER L'APPLICAZIONE DELLE VALVOLE

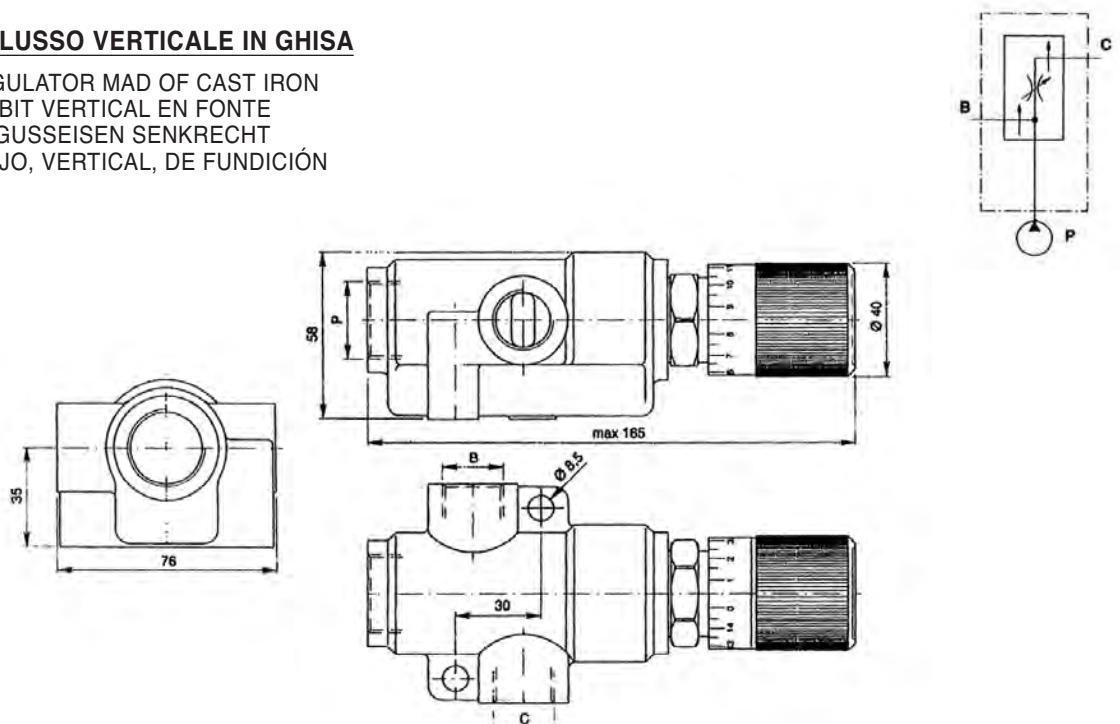
PLOUGH VALVE SET
 KIT DE FLEXIBLES ET RACCORDS POUR L'APPLICATION DES CLAPETS
 PFLUGVENTILANBAUSATZ
 KIT DE RACORERTA



ART.	Ø Attacco	Interasse mm.	Ø Tubo
MQ280015	1/4"	700 max	12
MQ280016	3/8"	700 max	12
MQ280017	1/2"	700 max	12

REGOLATORE DI FLUSSO VERTICALE IN GHISA

VERTICAL FLOW REGULATOR MADE OF CAST IRON
 REGULATEUR DE DEBIT VERTICAL EN FONTE
 FLUSSREGLER AUS GUSSEISEN SENKRECHT
 REGULADOR DE FLUJO, VERTICAL, DE FUNDICIÓN

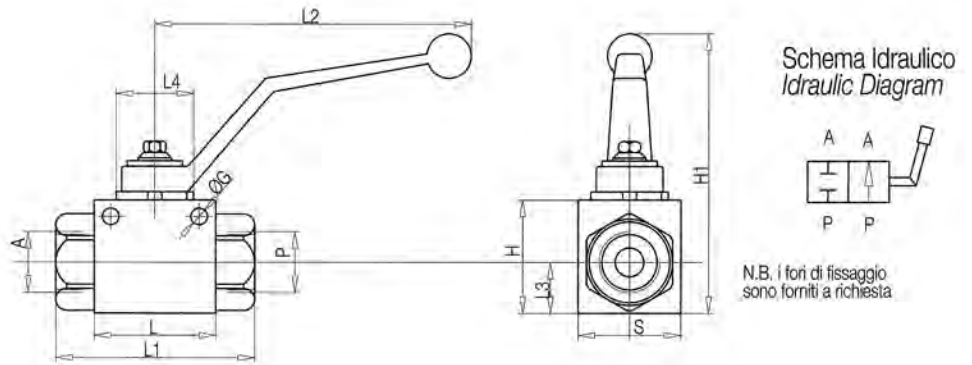


ART.	P	B	C	LT P	LT C	Press. max
MQ279010	3/4"	1/2"	1/2"	80	50	350

RUBINETTO A SFERA A 2 VIE

BALL TAP 2 WAY BALL TAPS
ROBINETS A SPHERE A 2 VOIES
2 WEGE - KUGELHÄJ,E
VALVULA ZUTAS

Materiale di costruzione: ACCIAIO
Construction: material: STEEL

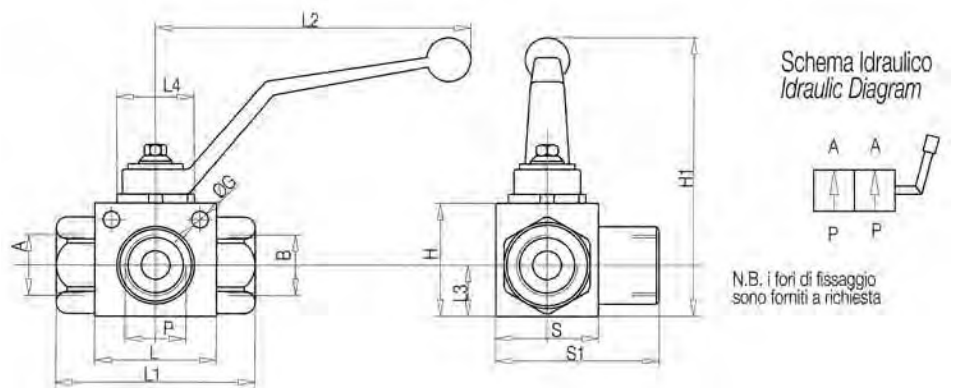


ART.	Sigla Type	Press. max max pressure	Portata max Max flow	A-P	L	L1	L2	L3	L4	ØG	H	H1	S
		BAR	Lit./min.	GAS	mm								
MR282011	RUB. 2 VIE 1/4	500	25	G1/4	42	71	110	14.5	25	5.5	35	92	30
MR282012	RUB. 2 VIE 3/8	500	35	G3/8	44	73	110	16	31	5.5	40	97	35
MR282013	RUB. 2 VIE 1/2	500	60	G1/2	48	83	110	17	34	6.5	43	100	37
MR282014	RUB. 2 VIE 3/4	310	100	G3/4	62	95	180	23.5	46	8.5	55	110	45
MR282015	RUB. 2 VIE 1	310	180	G1	66	113	180	29	49	8.5	65	120	55
MR282016	RUB. 2 VIE 1" 1/4	310	240	G1 1/4	66	121	180	29	54	8.5	65	120	55
MR282017	RUB. 2 VIE 1" 1/2	310	280	G1 1/2		124	180	29	58	8.5	65	140	55

RUBINETTO A SFERA A 3 VIE

BALL TAP 3 WAY BALL TAPS
ROBINETS A SPHERE A 3 VOIES
3 WEGE - KUGELHÄJ,E
DESUIADOR DE 3 VIAS

Materiale di costruzione: ACCIAIO
Construction: material: STEEL

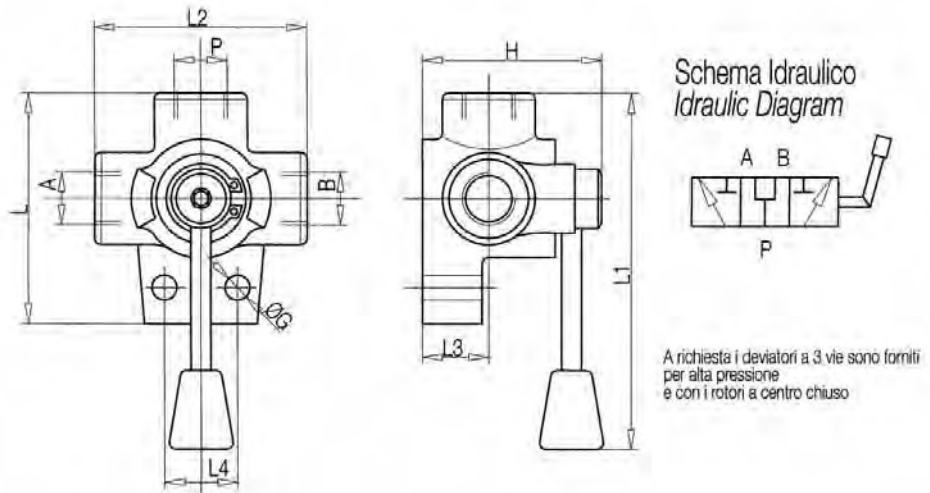


ART.	Sigla Type	Press. max max pressure	Portata max Max flow	A-P	L	L1	L2	L3	L4	ØG	H	H1	S	S1
		BAR	Lit./min.	GAS	mm									
MR284010	RUB. 3 VIE 1/4	310	25	G1/4	42	71	110	14.5	25	5.5	34	92	30	48.5
MR284011	RUB. 3 VIE 3/8	310	35	G3/8	44	73	110	16	31	5.5	40	97	35	55
MR284012	RUB. 3 VIE 1/2	310	60	G1/2	48	83	110	17	34	6.5	43	100	37	58
MR284013	RUB. 3 VIE 3/4	250	100	G3/4	62	95	180	23.5	46	8.5	55	105	45	75
MR284014	RUB. 3 VIE 1	250	180	G1	66	113	180	29	49	8.5	65	115	55	87

DEVIATORE A 3 VIE

3 WAY DIVERTOR VALVE
VALVE A 3 VOIES
3 WEGE-HAHNE
VALVULA DE 3 VIAS

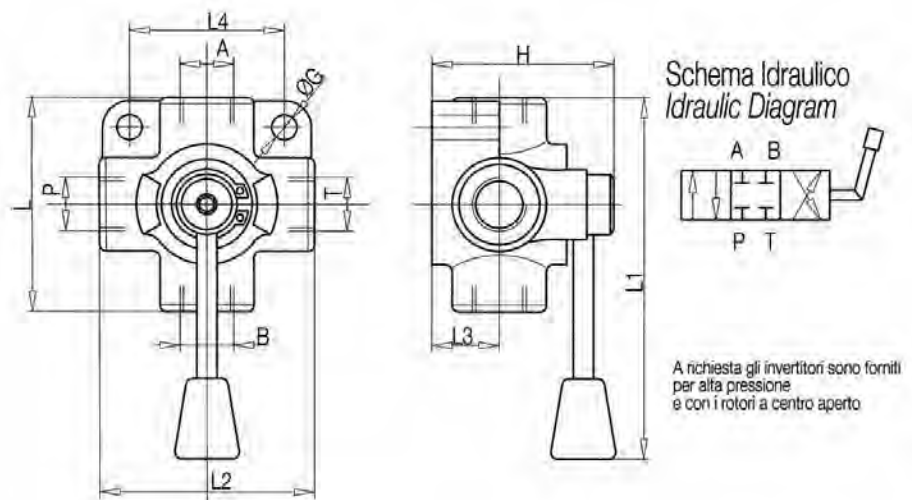
Materiale di costruzione: GHISA
Construction: material: CASTIRON
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR



ART.	Sigla Type	Portata max Max flow	A-B P	L	L1	L2	L3	L4	ØG	H
		Lt/min.	GAS	mm						
MR286010	D.F. 3/8	35	G3/8	77	140	70	24	26	8.5	68
MR286011	D.F. 1/2	60	G1/2	88	145	80	28	32	11	70
MR286012	D.F. 3/4	100	G3/4	102	150	95	30	32	11	80
MR286013	D.F. 1	180	G1	105	150	98	30	32	11	82

DEVIATORE A 4 VIE

4 WAY DIVERTOR VALVE
VALVE A 4 VOIES
4 WEGE-HÄHNE
VALVULA DE 4 VIAS

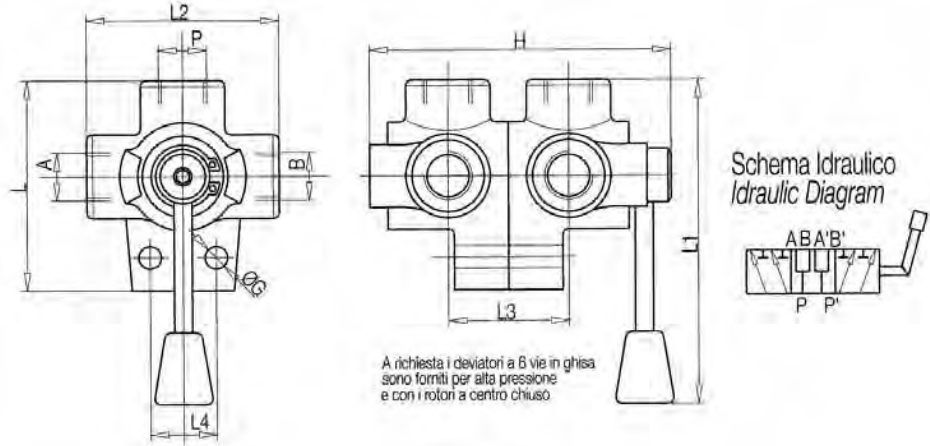


ART.	Sigla Type	Portata max Max flow	A-B P-T	L	L1	L2	L3	L4	ØG	H
		Lt/min.	GAS	mm						
MR288010	I.F. 3/8	35	G3/8	76	140	76	26	54	8.5	72
MR288011	I.F. 1/2	60	G1/2	88	145	88	30	65	8.5	82
MR288012	I.F. 3/4	100	G3/4	95	180	95	32	74	8.5	90

DEVIATORE A 6 VIE

6 WAY DIVERTOR VALVE
VALVE A 6 VOIES
6 WEGE-HÄHNE
VALVULA DE 6 VIAS

Materiale di costruzione: GHISA
Construction: material: CASTIRON
Pressione massima di esercizio: 250 BAR
max working pressure: 250 BAR

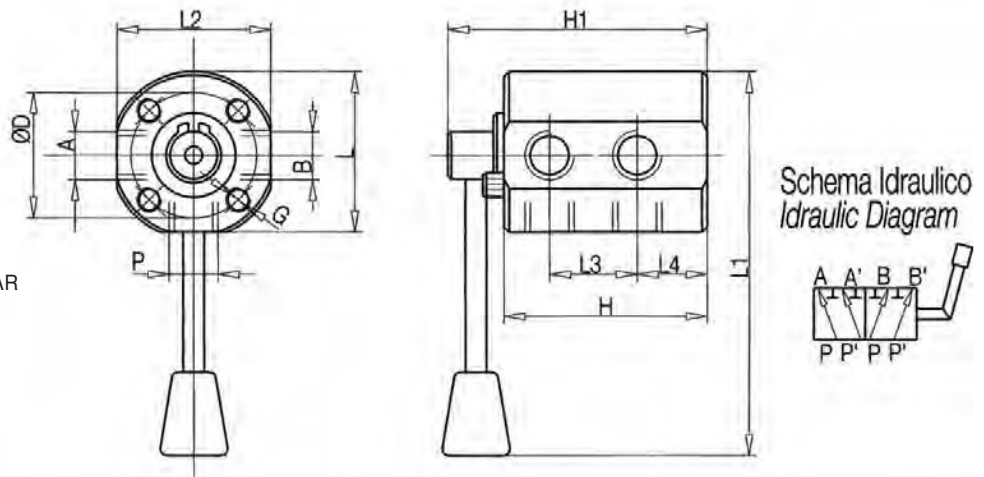


ART.	Sigla Type	Portata max Max flow	A-B P	L	L1	L2	L3	L4	ØG	H
		Lt/min.	GAS	mm						
MR289010	D.F. 6 3/8	35	G3/8	77	140	70	45	26	8.5	118
MR289011	D.F. 6 1/2	60	G1/2	88	145	80	60	32	11	125
MR289012	D.F. 6 3/4	100	G3/4	102	150	95	60	32	11	155
MR289013	D.F. 6 1	180	G1	105	150	98	60	32	11	155

DEVIATORE A 6 VIE

6 WAY DIVERTOR VALVE
VALVE A 6 VOIES
6 WEGE-HÄHNE
VALVULA DE 6 VIAS

Materiale di costruzione: ACCIAIO
Construction: material: STEEL
Pressione massima di esercizio: 300 BAR
max working pressure: 300 BAR

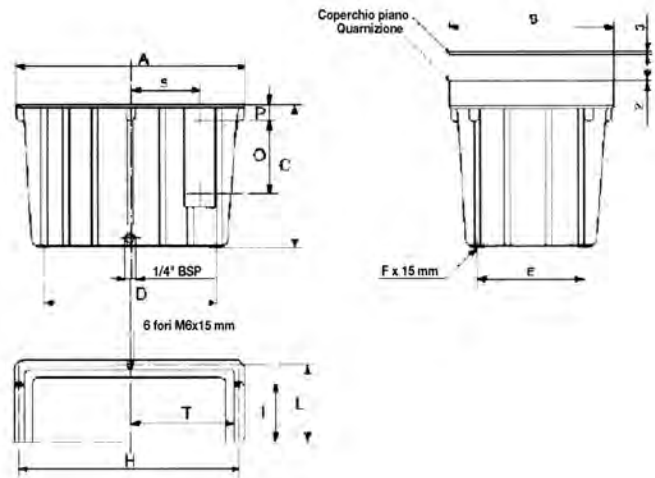


ART.	Sigla Type	Portata max Max flow	A-B P	L	L1	L2	L3	L4	ØD	H	H1	G
		Lt/min.	GAS	mm								
MR290010	D.F. 6 - 3/8 ACC.	40	G3/8	60	60	60	60	60	60	60	60	60
MR290011	D.F. 6 - 1/2 ACC.	60	G1/2	69	69	69	69	69	69	69	69	69

SERBATOIO PER CENTRALINE OLEODINAMICHE

HYDRAULIC POWER PACK TANK
 RESERVOIR POUR DISTRIBUTEUR OLEO-HYDRAULIQUE
 TANK FÜR ZENTRAL-AGGREGAT
 DEPÓSITO PARA CENTRAL OLEODINÁMICA

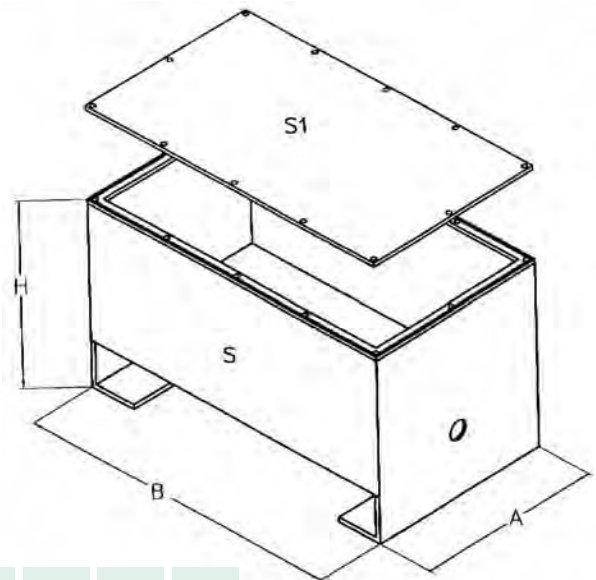
Caratteristiche:
 Scala: da 1 a 12 BAR
 Attacco: posteriore
 Filetto: 1/8"



ART.	Lt/min.	A	B	C	D	E	F	H	I	L	M	O	P	S	T
MT000310	6	280	200	176	210	130	M8	268	70	94	M6	76	30	84	128
MT000320	10	340	247	220	250	170	M8	325	80	116	M6	76	30	104	156
MT000330	16	368	290	243	270	192	M8	350	128	136	M8	76	40	115,5	167
MT000340	25	490	340	285	326	176	M10	460	150	155	M8	127	40	146	224

SERBATOIO PER CENTRALINE OLEODINAMICHE

HYDRAULIC POWER PACK TANK
 RESERVOIR POUR DISTRIBUTEUR OLEO-HYDRAULIQUE
 TANK FÜR ZENTRAL-AGGREGAT
 DEPÓSITO PARA CENTRAL OLEODINÁMICA

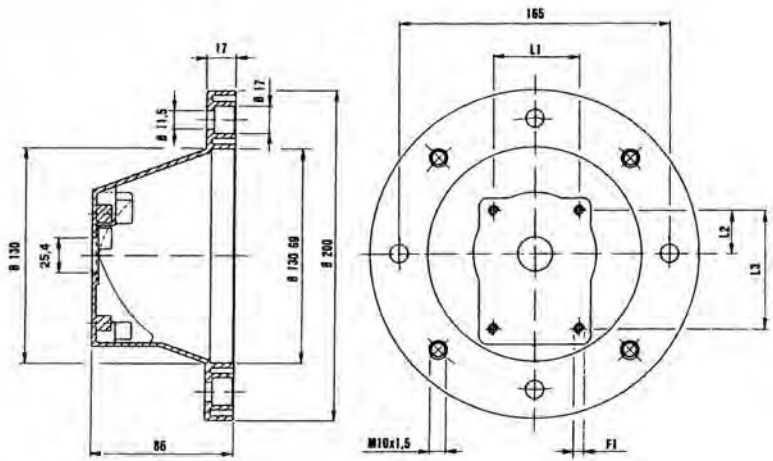


ART.	Vol. cm ³	H	A	B	S	S1
MW000090	13	200	200	350	2.5	4
MW000100	25	330	280	380	2.5	4
MW000120	45	360	310	510	2.5	4
MW000130	75	480	370	510	2.5	4
MW000140	120	570	410	610	2.5	4
MW000150	170	570	500	710	3	5
MW000160	220	570	640	710	3	5

N.B.: A richiesta si eseguono su disegno - On request they can be manufactured according to a drawing
 Sur demande on les réproduit d'après un dessin - Zu beachten: auf wunsch können sie auch auf zeichnung hergestellt werden

LANTERNA MER MOTORE ELETTRICO GRANDEZZA 80-90

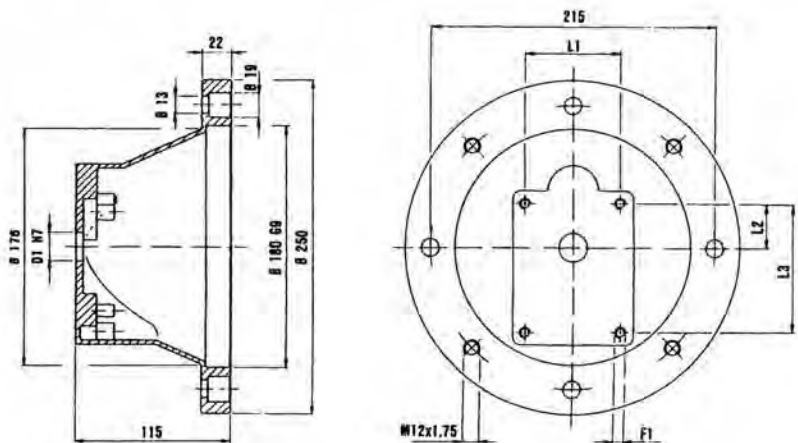
FLANGE FOR ELECTRIC MOTOR FRAME 80-90
 LANterne POUR MOTEUR ÉLECTRIQUE TAILLE 80-90
 PUMPENTRÄGER FÜR EL. MOTOR BAUGRÖÖE 80-90
 CAMPANA PARA MOTOR ELECTRICO TAMANO 80-90



ART.	Gruppo - Group Groupe - Gruppe	Hp	Tipo	L1	L2	L3	F1
MT352009	1	0,75/1	80	52.4	23.6	72	M6
MT352010	1	1,5/2	90	52.4	23.6	72	M6
MT352011	2	1,5/2	90	52.4	23.6	72	M6

LANTERNA MER MOTORE ELETTRICO GRANDEZZA 110-112-132

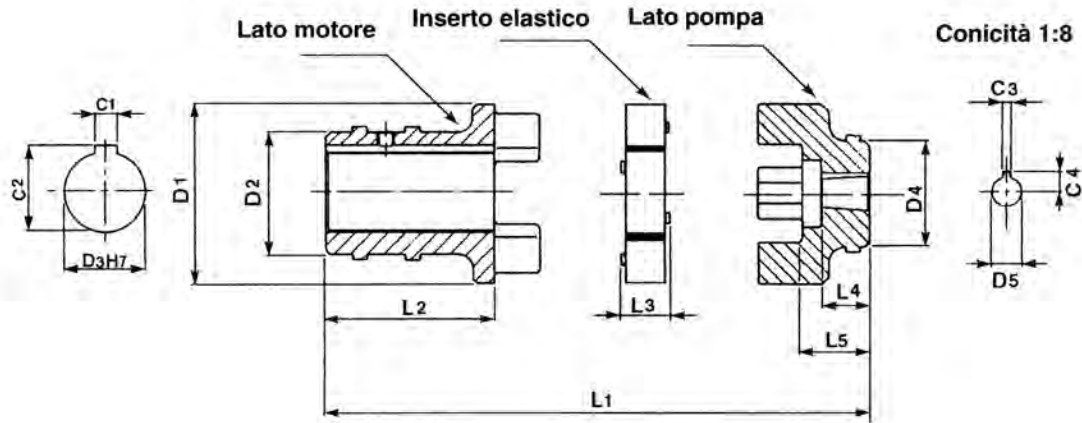
FLANGE FOR ELECTRIC MOTOR FRAME 110-112-132
 LANterne POUR MOTEUR ÉLECTRIQUE TAILLE 110-112-132
 PUMPENTRÄGER FÜR EL. MOTOR BAUGRÖÖE 1
 CAMPANA PARA MOTOR ELECTRICO TAMANO 1



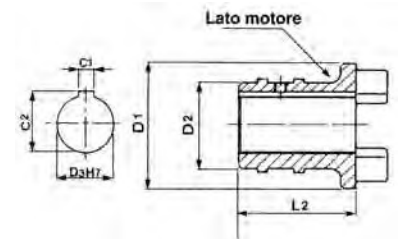
ART.	Gruppo - Group Groupe - Gruppe	Hp	Tipo	D1	L1	L2	L3	F1
MT352012	1	3	100	25.4	52.4	26,3	72	M6
MT352013	2	3/5,5	112	36.5	71.5	32,35	96	M8
MT352014	2	7,5/12	132	36.5	71.5	32,35	96	M8
MT352015	3	7,5/12	132	50.8	128	42-43	98,5	M10

GIUNTO ELASTICO PER POMPE AD INGRANAGGI E MOTORI ELETTRICI NORMALIZZATI UNEL/IEC

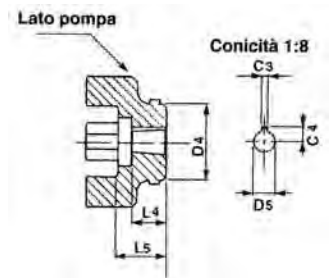
FLEXIBLE COUPLINGS FOR GEAR PUMP AND EL. MOTOR ACCORDING TO UNEL/IEC NORM
 ACCOUP. ÉLAS. POUR POMPES À ENGRENAGES ET MOTEURS ÉLECTRIQUES SELON NORMES UNEL/IEC
 DREHELASTISCHE KUPPLUNGEN FÜR ZAHNRADPUMPEN UND E. MOTOREN NACH UNEL/IEC NORMEN
 ACOPLAMIENTO PARA BOMBA MECANIZADO CON JUNTA ELASTICA



ART.	L1	D1	Semigiunto lato motore					Mot. HP
			D2	D3	L2	C1	C2	
MT355010	87	65	48	24	56	8	27.2	1,5/2
MT355011	98	63	51	28	64.5	8	31.2	3,5/5,5
MT355012	135	86	73	38	88	10	41.3	7,5/12

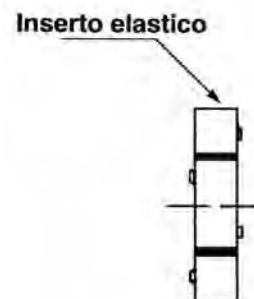


ART.	Semigiunto lato motore						Mot. HP
	D4	D5	L4	L5	C3	C4	
MT355013	34	7.9	15	21.5	2.4	5.4	Pompe GR1 Mot. HP 1,5:2
MT355014	34	14.3	22	22	4	5.4	Pompe GR2 Mot. HP 3,5-5,5
MT355015	48	17.2	23	27	3,2/4	5.4	Pompe GR2 Mot. HP 7,5/12
MT355016	48	22.7	28	27	4	5.4	Pompe GR3 Mot. 7,5/12



INSERTO ELASTICO

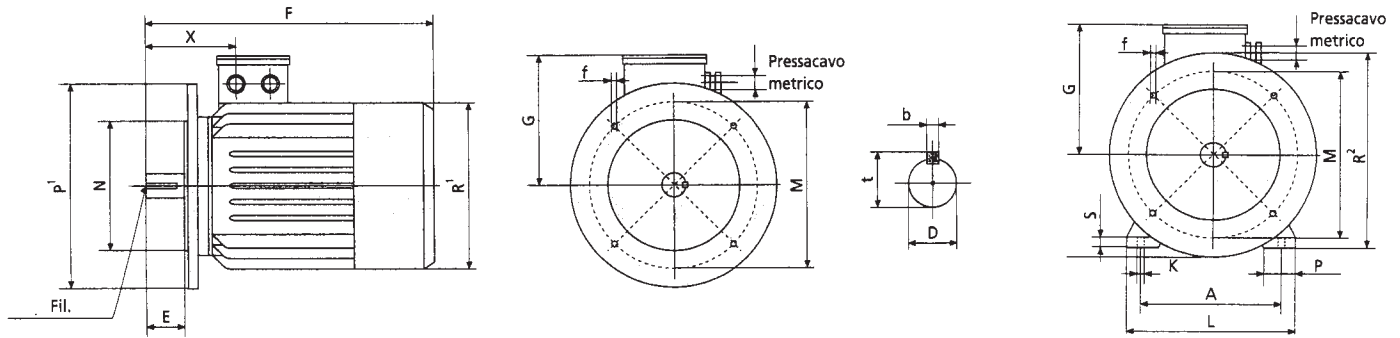
FLEXIBLE INSERT
 ELEMENT ELASTIQUE
 ELASTISCHES DRUCKELEMENT
 JUNTA ELÁSTICA



ART.	Pompa
MT357010	GR 1:2
MT357011	GR 3

MOTORI ASINCRONI TRIFASI SERIE BASIC 2 POLI - 4 POLI

ASYNCHRONOUS THREE-PHASE MOTORS BASIC LINE 2 POLES - 4 POLES
 MOTEURS ASYNCHRONES TRIPHASÉS SÉRIES BASIC 2 POLES - 4 PÔLES
 DREHSTROM-ASYNCHRONMOTOREN BASIC SERIE 2 POLIG - 4 POLIG
 MOTORES ASÍNCRONOS TRIFÁSICOS SERIE BASIC 2 POLOS - 4 POLOS



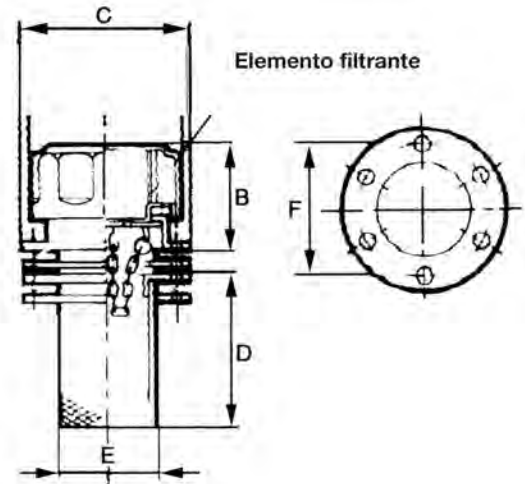
Tipo	A	B	C	D	E	F	G	H	I	L	K	P	R	S	b	t	M	N	R1	R2	P1	f
90S	140	100	56	24	50	305	135	90	130	180	10	40	175	13	8x7	27	165	130	188	178	200	12
90L	140	125	56	24	50	330	135	90	155	180	10	40	175	13	8x7	27	165	130	188	178	200	12
100	160	140	63	28	60	359	148	100	175	200	12	43	196	15	8x7	31	215	180	211	230	250	14.5
112	190	140	70	28	60	381	164	112	175	230	12	51	218	17	8x7	31	215	180	235	232	250	14.5
13256S	216	140	89	38	80	445	180	132	180	256	12	56	255	20	10x8	41	265	230	275	285	300	14.5
132M	216	178	89	38	80	483	180	132	215	256	12	56	255	20	10x8	41	265	230	275	285	300	14.5

ART.	HP	Tipo	Kw	Giri/min.	%	Cos.	A (400V)	Cn Nm	Ia / In	Cmax/Cn	Kg
MV501012	1,5	90S	1.1	1.410	73	0.78	2.78	2.2	6	2.4	13.5
MV501011	2	90L	1.5	1.410	76	0.79	3.61	2.2	6	2.4	15
MV501030	3	100L	2.2	1.425	78	0.80	5.07	2	6.5	2.2	19.5
MV501031	4	100L	3	1.425	80	0.81	6.66	2.2	6.5	2.4	23
MV501040	5,5	112M	4	1.430	82	0.82	8.55	2.4	7.5	2.65	30
MV501061	7,5	132S	5.5	1.440	84	0.83	11.35	2	6.5	2.8	41
MV501062	10	132M	7.5	1.450	85.5	0.84	15	2.2	7	2.4	52

TAPPO CON FILTRO E CESTELLO

CAP WITH FILTER AND BASKET
BOUCHON AVEC FILTRE
STOPFEN MIT FILTER
TAPÓN CON FILTRO Y CESTITO

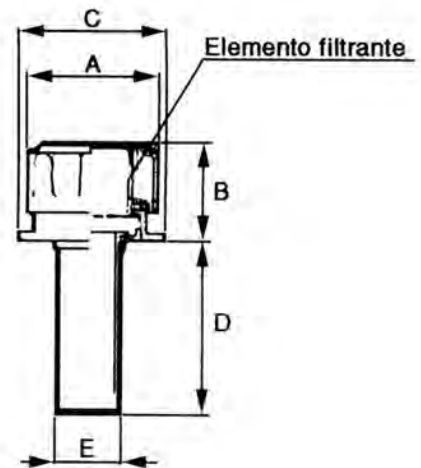
ART.	A	B	C	D	E	F	fori fissaggio
MT358010	47	44	52	65	28	41	3
MT358011	75	50	83	80	50	73	6



TAPPO CON FILTRO E CESTELLO A SALDARE

WELDABLE CAP WITH FILTER AND BASKET
BOUCHON AVEC FILTRE
STOPFEN MIT FILTER WUM ANSCHWEISSEN
TAPÓN CON FILTRO T CESTITO A SOLDAR

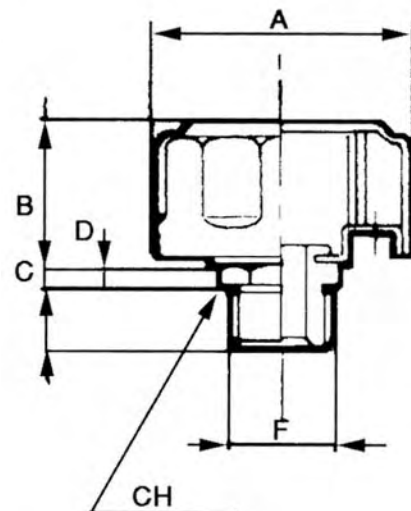
ART.	A	B	C	D	E
MT360010	75	50	83	100	38



TAPPO CON FILTRO

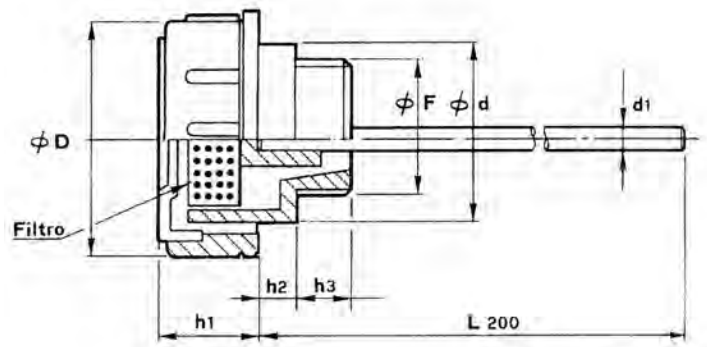
PRESSURE PLUG WITH FILTRATION
BOUCHON AVEC FILTRE
DRUCKPROPFEN MIT FILTRIERKORB
TAPÓN CON FILTRO

ART.	Filetto	A	B	C	D	CH
MT362010	1/4"	47	33	12	7	19
MT362011	3/4"	75	44	16	8	32



TAPPO MANUALE CON DOPPIO SFIATO E ASTA LIVELLO

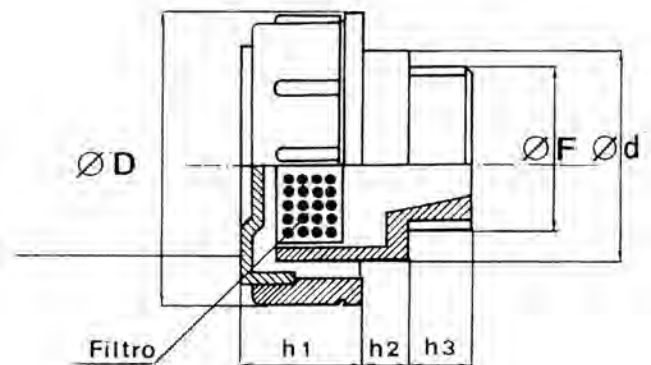
MANUAL PLUG WITH LEVEL GAUGE
BOUCHON MANUEL AVEC LEVIER NIVEAU
HANDROPFEN MIT DOPPELNTLÜFTTEROHR
UND NIVEAU STANGE
TAPÓN MANUAL CON VARILLA DE NIVEL



ART.	ØF	A	E	H1	H2	L
MT364010	3/8" gas	36	23	17	5	11
MT364011	1/2" gas	41	28	18	5	12
MT364012	3/4" gas	47	33	17	5	12
MT364013	1" gas	52	38	20	5	12
MT364014	1 1/4" gas	63	49	23	5	13
MT364015	1 1/2" gas	63	55	23	5	13.5

TAPPO MANUALE CON DOPPIO SFIATO

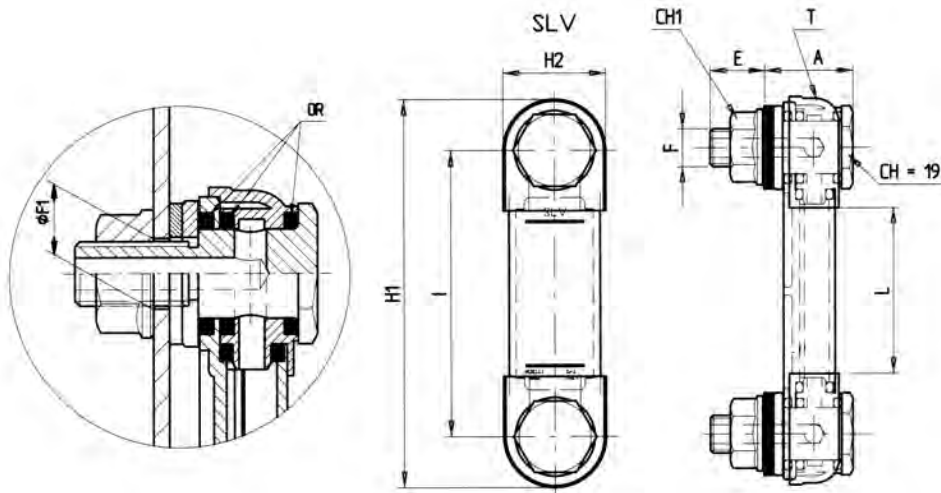
MANUAL PLUG
BOUCHON MANUEL
HANDROPFEN MIT DOPPELNTLÜFTTEROHR
TAPÓN MANUAL



ART.	F	D	d	h1	h2	h3
MT366010	3/8" gas	36	23	17	5	11
MT366011	1/2" gas	41	28	18	5	12
MT366012	3/4" gas	47	33	17	5	12
MT366013	1" gas	52	38	20	5	12
MT366014	1 1/4" gas	63	49	23	5	13
MT366015	1 1/2" gas	63	55	23	5	13.5

INDICATORE OTTICO DI LIVELLO

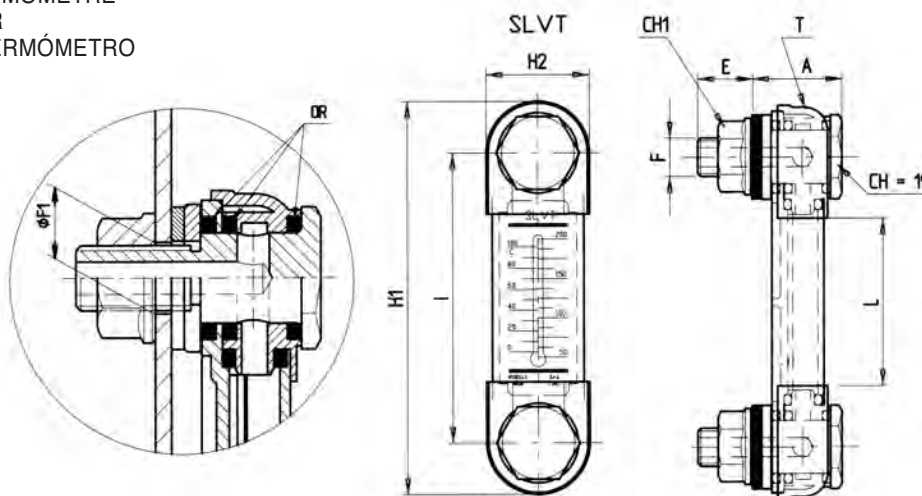
LEVEL GAUGE
 NIVEAU
 ÖLSTANDANZEIGER
 INDICADOR OPTICO DE NIVEL



ART.	I	H1	H2	F	E	A	L	CH1	ØF1
MT368010	76	103	27	M10	21	20	44	10	12.2
MT368011	127	154	27	M12	21	20	95	12	12.2
MT368012	210	250	41	M12	19	26	182	12	12.2

INDICATORE DI LIVELLO CON TERMOMETRO

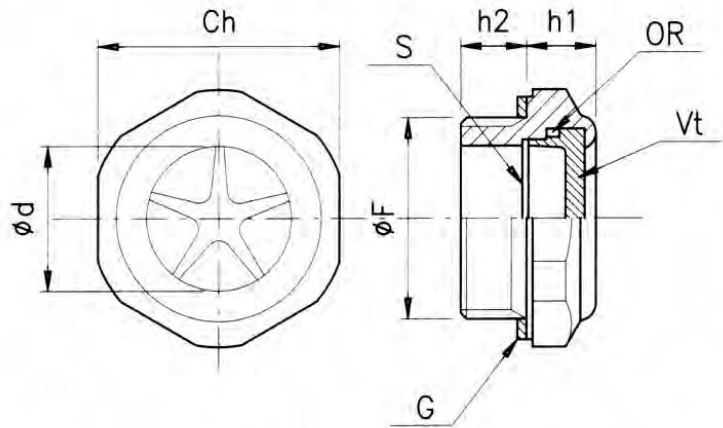
LEVEL GAUGE WITH THERMOMETER
 NIVEAU AVEC THERMOMETRE
 ÖLSTANDANZEIGER
 INDICADOR CON TERMÓMETRO



ART.	I	H1	H2	F	E	A	L	CH1	ØF1
MT368014	76	103	27	M10	21	20	44	10	12.2
MT368016	127	154	27	M12	21	20	95	12	12.2

SPIA OLIO IN ALLUMINIO

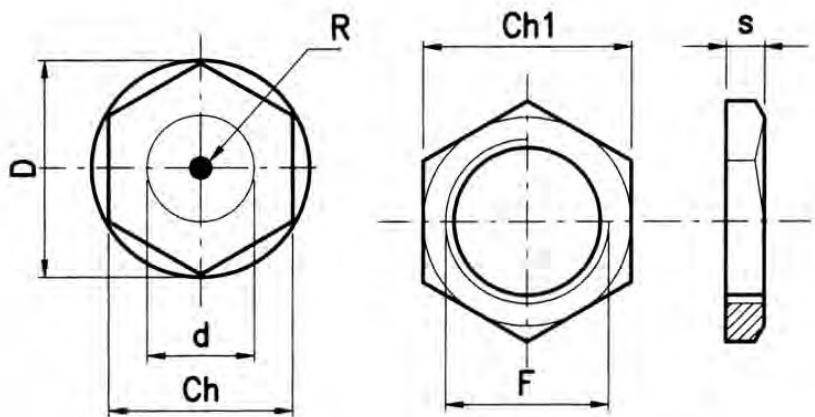
INDICATEUR HUILE EN ALLUMINIUM
ALUMINIUM OIL LEVEL PLUG
ALU - ÖLSCHAUGLAS
INDICADOR NIVEL ACEITE, DE ALUMINIO



ART.	F	Ch	d	h1	h2
MT369010	G 1/4"	18	11	10	7
MT369011	G 3/8"	22	12	8	9
MT369012	G 1/2"	27	15	8	9
MT369013	G 3/4"	34	19	9	11
MT369014	G 1"	40	27	10.5	11

SPIA FILETTATA LIVELLO OLIO

THREADED OIL LEVEL GAUGE
NIVEAU HUILE
ÖLSTANDSCHAUGLAS
VISOR WEXAGONAL

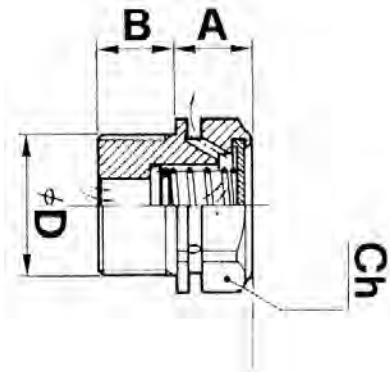


ART.	Ch	F	D	d	h1	h2	Nm
MT369050	17	G 1/4"	20	15	7	8	6
MT369052	18	G 3/8"	22	14	6.5	10.5	8
MT369054	24	G 1/2"	28	16	8	11	12
MT369056	30	G 3/4"	35	21	8	12	16
MT369058	35	G 1"	43	32	11	12	n.d.
MT369060	42	G 1/4"	51	33	10	16	n.d.
MT369062	50	G 1/2"	58	40	10	20	n.d.

TAPPI DI SFIATO METALLICI CON FILTRO

METAL FILLER PLUG WITH FILTER
BOUCHONS RENIFLARD METALLIQUES AVEC FILTRE
ENTLÜFTUNGSPFROPFEN AUS MESSING MIT ZUSATZFILTER
TAPONES METÁLICOS DE DESFOGUE CON FILTRO

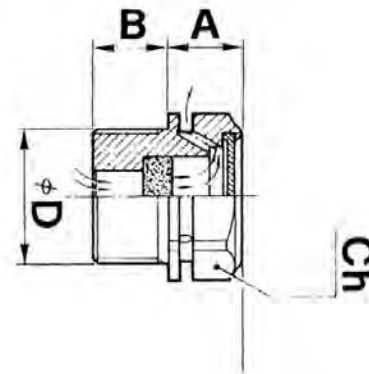
ART.	ØD	Ch	A	B
MT371010	1/4" gas	18	13	9
MT371011	3/8" gas	22	14	10
MT371012	1/2" gas	27	14	10



TAPPI DI SFIATO METALLICI CON VALVOLA

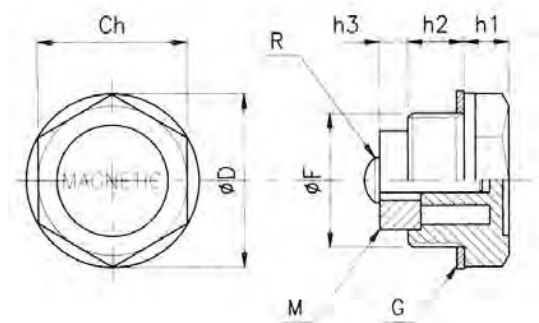
METAL FILLER PLUG WITH VENT VALVE
BOUCHONS METALLIQUES AVEC RENIFLARD A RESSORT
ENTLÜFTUNGSPFROPFEN AUS MESSING MIT RÜCKSCHLAGVENTIL
TAPONES METÁLICOS DE DESFOGUE CON VÁLVULA

ART.	ØD	Ch	A	B
MT372010	1/4" gas	18	13	9
MT372011	3/8" gas	22	14	10
MT372012	1/2" gas	27	14	10



TAPPI MAGNETICI IN METALLO

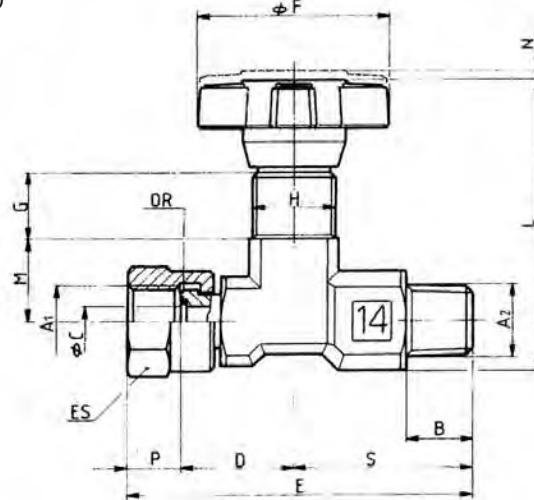
METAL MAGNETIC CAP
TAPONES MAGNÉTICOS DE METAL
MAGNETISCHER PFROPFEN - METAL
TAPONES MAGNÉTICOS DE METAL



ART.	F	Ch	d	h1	h2	h3
MT373010	G 1/4"	18	5	7	9	6
MT373011	G 3/8"	22	8	7	10	7
MT373012	G 1/2"	27	10	8	10	7
MT373013	G 3/4"	34	13	8	10	7
MT373014	G 1	40	13	8	14	7

ESCLUSORE IN LINEA PER MANOMETRO

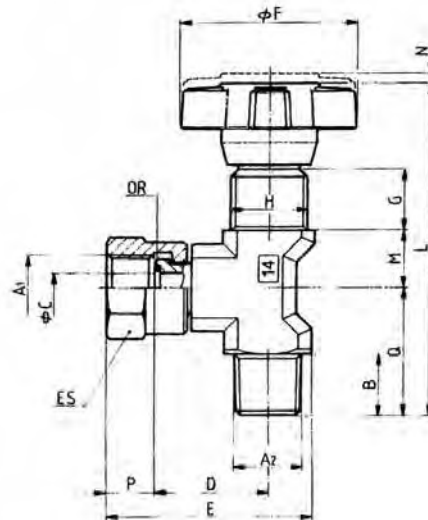
IN LINE CUT OUT FOR MANOMETER
 ROBINET PROTEGE-MANOMETRE
 AUSSCHALTER FÜR MANOMETER
 APARATO DE EXCLUSIÓN EN LINEA PARA MANÓMETRO



ART.	A1 UNI 338	A2	B	C	D	E	F	G	H	L	M	N	P	S	OR	ES	Peso Kg
MT374010	1/4" G	1/4" Gc	13	5.6	20	61.5	34	12	M15x1	53	15	2	8.5	33	2018	18	0,125
MT374011	1/2" G	1/4" Gc	16	6.5	32	83	40	12.5	M20x1	82.5	19	6	11	40	2021	27	0,413

ESCLUSORE 90° PER MANOMETRO

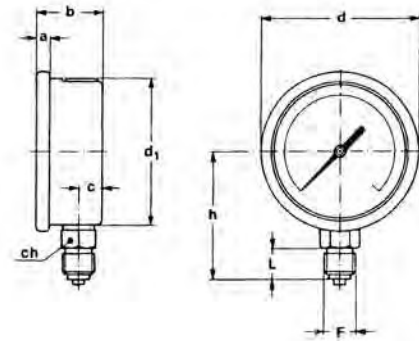
CUT OUT 90° FOR MANOMETER
 ROBINET 90° PROTEGE-MANOMETRE
 AUSSCHALTER 90° FÜR MANOMETER
 APARATO DE EXCLUSIÓN 90° PARA MANÓMETRO



ART.	A1 UNI 338	A2	B	C	D	E	F	G	H	L	M	N	P	S	OR	ES	Peso Kg
MT375010	1/4" G	1/4" Gc	13.5	5.6	22	40	34	10	M15x1	66	11	2	8.5	28	2018	18	0,125

**MANOMETRO ALLA GLICERINA
PER IMPIANTI OLEODINAMICI**

HYDRAULIC GLYCERINE MANOMETER
MANOMETRE A BAIN DE GLICERINE
HYDRAULICK-MANOMETER MIT GL YZERINFÜLLUNG
MANOMETRO A LA GLICERINA PARA INSTRUMENTOS OLEOS



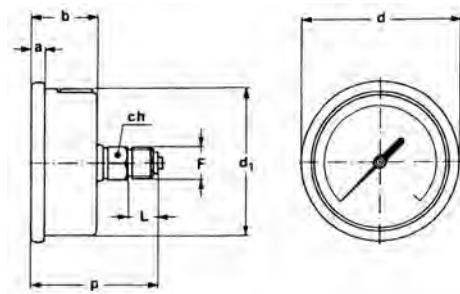
DN	a	b	b ₁	c	c ₁	d	d ₁	D	E	f	b ₁
63	5,6	28	32	10	14	68	62,5	85	75	3,6	32

ART.	F	Scala
MT377010	1/4 conico	0/2,5
MT377011	1/4 conico	0/10
MT377012	1/4 conico	0/60
MT377018	1/4 conico	0/100
MT377013	1/4 conico	0/160
MT377014	1/4 conico	0/250
MT377015	1/4 conico	0/400
MT377016	1/4 conico	0/600

ART.	F	Scala
MT379010	1/4 cilindrico	0/2,5
MT379011	1/4 cilindrico	0/10
MT379012	1/4 cilindrico	0/60
MT379013	1/4 cilindrico	0/100
MT379017	1/4 cilindrico	0/160
MT379014	1/4 cilindrico	0/250
MT379015	1/4 cilindrico	0/400
MT379016	1/4 cilindrico	0/600

**MANOMETRO ALLA GLICERINA
PER IMPIANTI OLEODINAMICI**

HYDRAULIC GLYCERINE MANOMETER
MANOMETRE A BAIN DE GLICERINE
HYDRAULICK-MANOMETER MIT GL YZERINFÜLLUNG
MANOMETRO A LA GLICERINA PARA INSTRUMENTOS OLEOS



DN	a	a ₂	b	d	d ₁	D	E	f	i	M	N
63	5,6	6,6	28	68	62,6	85	75	3,6	72	90	38

ART.	F	Scala
MT379330	1/4 conico	0/10
MT379334	1/4 conico	0/40
MT379336	1/4 conico	0/60
MT379338	1/4 conico	0/100
MT379340	1/4 conico	0/160
MT379342	1/4 conico	0/250
MT379346	1/4 conico	0/400
MT379350	1/4 conico	0/600

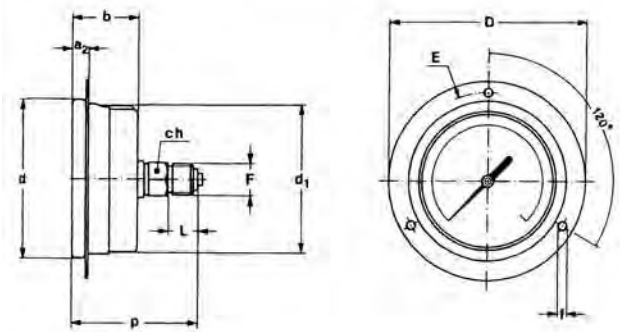
ART.	F	Scala
MT379300	1/4 cilindrico	0/10
MT379302	1/4 cilindrico	0/40
MT379304	1/4 cilindrico	0/60
MT379306	1/4 cilindrico	0/100
MT379308	1/4 cilindrico	0/160
MT379310	1/4 cilindrico	0/250
MT379312	1/4 cilindrico	0/400
MT379314	1/4 cilindrico	0/600

**MANOMETRO ALLA GLICERINA
PER IMPIANTI OLEODINAMICI**

HYDRAULIC GLYCERINE MANOMETER
MANOMETRE A BAIN DE GLYCERINE
HYDRAULICK-MANOMETER MIT GLYZERINFÜLLUNG
MANOMETRO A LA GLICERINA PARA INSTRUMENTOS OLEOS

DN	a	a ₂	b	d	d ₁	D	E	f	i	M	N
63	5,6	6,6	28	68	62,6	85	75	3,6	72	90	38

ART.	F	Scala
MT379503	1/4 cilindrico	0/10
MT379505	1/4 cilindrico	0/25
MT379507	1/4 cilindrico	0/40
MT379509	1/4 cilindrico	0/60
MT379511	1/4 cilindrico	0/100
MT379513	1/4 cilindrico	0/160
MT379515	1/4 cilindrico	0/250
MT379518	1/4 cilindrico	0/400
MT379520	1/4 cilindrico	0/600

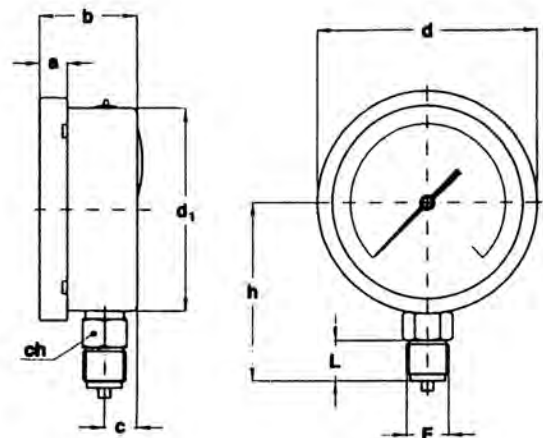


**MANOMETRO ALLA GLICERINA
PER IMPIANTI OLEODINAMICI**

HYDRAULIC GLYCERINE MANOMETER
MANOMETRE A BAIN DE GLYCERINE
HYDRAULICK-MANOMETER MIT GLYZERINFÜLLUNG
MANOMETRO A LA GLICERINA PARA INSTRUMENTOS OLEOS

DN	a	b	b ₁	c	c ₁	d	d ₁	f	h	h ₁	D	E	ch	L
100	13	48,6	52,6	16,1	20,1	110,6	101	6	86	52	130	118	22	20

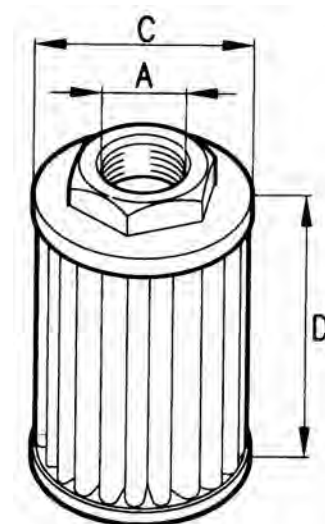
ART.	F	Scala
MT379534	1/2 cilindrico	0/10
MT379536	1/2 cilindrico	0/25
MT379538	1/2 cilindrico	0/40
MT379540	1/2 cilindrico	0/60
MT379542	1/2 cilindrico	0/100
MT379546	1/2 cilindrico	0/160
MT379548	1/2 cilindrico	0/250
MT379550	1/2 cilindrico	0/400
MT379552	1/2 cilindrico	0/600



FILTRI OLEODINAMICI IN ASPIRAZIONE CON ATTACCO FILETTATO

SUCK-UP OIL FILTERS WITH THREADED CONNECTOR
 FILTRES HYDRAULIQUES EN ADMISSION AVEC FIXATION FILETÉE
 ÖLFILTER AUF SAUGLEITUNG MIT GEWINDEANSCHLUSS
 FILTRO DE ASPIRACIÓN SUMERCIDO ROSCADO

ART.	Grado di filtrazione	A	C	D
MU382008	60µ	3/8"	44	75
MU382010	60µ	1/2"	51	90
MU382011	60µ	3/4"	70	100
MU382012	60µ	1"	100	100



FILTRI OLEODINAMICI IN ASPIRAZIONE CON ATTACCO FILETTATO

SUCK-UP OIL FILTERS WITH THREADED CONNECTOR
 FILTRES HYDRAULIQUES EN ADMISSION AVEC FIXATION FILETÉE
 ÖLFILTER AUF SAUGLEITUNG MIT GEWINDEANSCHLUSS
 FILTRO DE ASPIRACIÓN SUMERCIDO ROSCADO

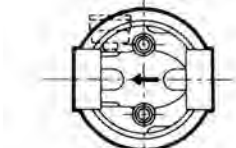
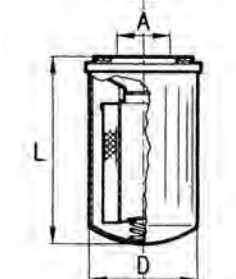
ART.	Grado di filtrazione	A	C	D
MU382013	90µ	1/2"	51	90
MU382014	90µ	3/4"	70	100
MU382015	90µ	1"	100	100

FILTRI OLEODINAMICI DA APPLICARSI IN LINEA SIA IN ASPIRAZIONE CHE SUL RITORNO - SPIN ON

FILTRATION 90µ METAL FABRIC
 FILTRAGE 90µ TOILE METALLIQUE
 FILTERUNG 90µ, DRAHTGEFLECHT
 FILTRO 90µ DE MALLA

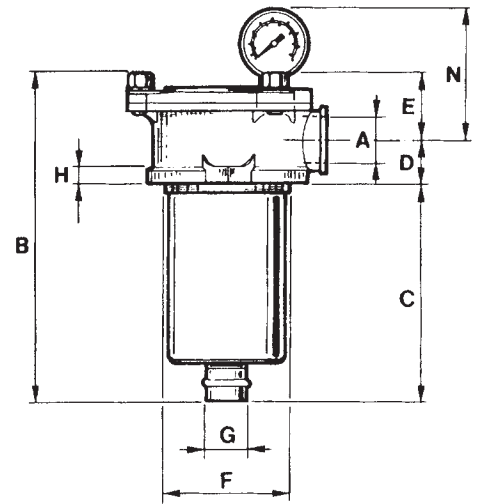
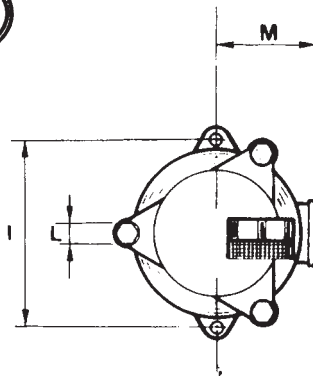
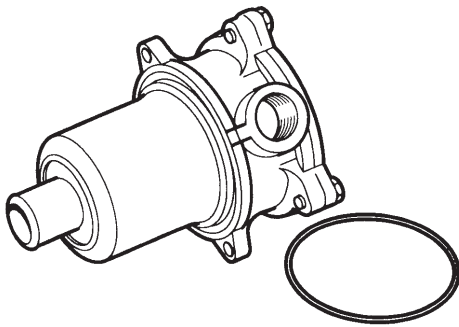
ART.	Descrizione	C	D
MU381010	Testina filtro - in aspirazione per cartuccia MU392010/11/12/13	3/4"	44
MU381011	Testina filtro - sul ritorno per cartuccia MU392010/11/12/13	3/4"	44
MU381012	Testina filtro - in aspirazione per cartuccia MU392014/15/16/17	1" 1/4	60
MU381013	Testina filtro - sul ritorno per cartuccia MU392014/15/16/17	1" 1/4	60

ART.	A	Grado di filtrazione	Portata mini e max con AP Bar da 0,05 a 0,5	D	L
MU392010	3/4"	10µ	da 24 a 90	98	145
MU392011	3/4"	25µ	da 33 a 100	98	145
MU392012	3/4"	60µ	da 100 a 200	98	145
MU392013	3/4"	125µ	da 120 a 280	98	145
MU392014	1" 1/4	10µ	da 49 a 185	130	180
MU392015	1" 1/4	25µ	da 71 a 245	130	180
MU392016	1" 1/4	60µ	da 245 a 700	130	180
MU392017	1" 1/4	125µ	da 280 a 800	130	180



**FILTRI OLEODINAMICI SEMI IMMERSI DA MONTARE
SUL RITORNO IN BASSA PRESSIONE**

HYDRAULIC SEMI-SUBMERGED OIL FILTERS TO BE FITTED ON A LOW PRESSURE
 FILTRES HYDRAULIQUES SEMI PLONGÉS A MONTER SUR LA LIGNE DE RESTOUR
 ÖLFILTER, HALBEINGETAUCHT IM TANK MONTIERT, AUF RUCKFLUSSLINE MIT NIEDERDRUCK
 FILTROS OLEODINAMICOS SEMISUMERGIDOS PARA RETORNOS DE BASA PRESION



N.B: Il filtro completo viene fornito senza manometro.

Filtro completo - Filtrazione 30 μ															Cartuccia di ricambio
ART.	Grado di filtrazione	Capacità litri	A	B	C	D	E	F	G	H	I	L	M	N	ART.
MU384010	30 μ	15	1/2"	140	90	21	29	66	24	8	90	7	50	72	MU385011
MU384011	30 μ	45	3/4"	167	97	29	41	86	28	10	115	9	67	80	MU385012
MU384012	30 μ	60	1"	220	150	29	41	86	28	10	115	9	67	80	MU385013

Filtro completo - Filtrazione 60 μ															Cartuccia di ricambio
ART.	Grado di filtrazione	Capacità litri	A	B	C	D	E	F	G	H	I	L	M	N	ART.
MU384013	60 μ	25	1/2"	140	90	21	29	66	24	8	90	7	50	72	MU385014
MU384014	60 μ	60	3/4"	167	97	29	41	86	28	10	115	9	67	80	MU385015
MU384015	60 μ	90	1"	220	97	29	41	86	28	10	115	9	67	80	MU385016

Filtro completo - Filtrazione 90 μ															Cartuccia di ricambio
ART.	Grado di filtrazione	Capacità litri	A	B	C	D	E	F	G	H	I	L	M	N	ART.
MU384016	90 μ	30	1/2"	140	90	21	29	66	24	8	90	7	50	72	MU385017
MU384017	90 μ	70	3/4"	167	97	29	41	86	28	10	115	9	67	80	MU385022
MU385010	90 μ	100	1"	220	97	29	41	86	28	10	91150	9	67	80	MU385024

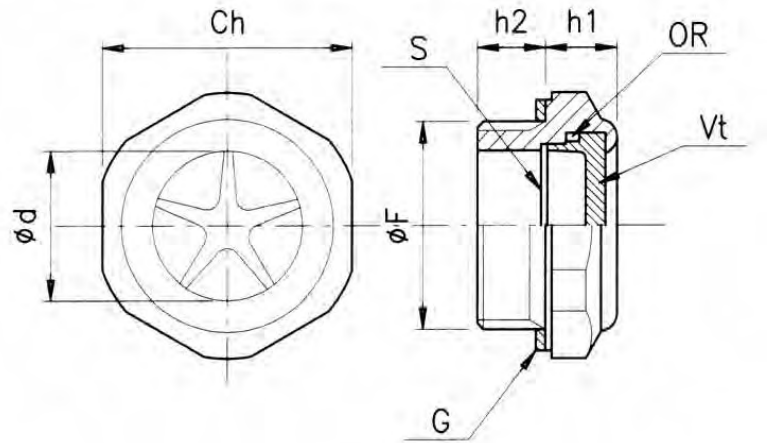
MANOMETRO ALLA GLICERINA PER "SPIN-ON"

MANOMETRE GLYCERINE POUR "SPIN-ON"
 GLYCERINE MANOMETER FOR "SPIN-ON" FILTER
 GLYCERIN MANOMETER FEUR "SPN-ON" FILTER
 MANÓMETRO A LA GLICERINA

CARATTERISTICHE:

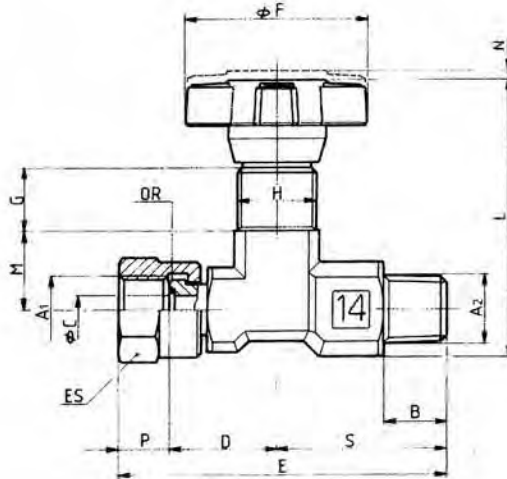
Scala: da 1 a 12 BAR - Attacco: posteriore - Filetto: 1/8"

ART.
 MU393010



FILTRI ASPIRAZIONE AVVITIBILI PER SPACCALEGNA

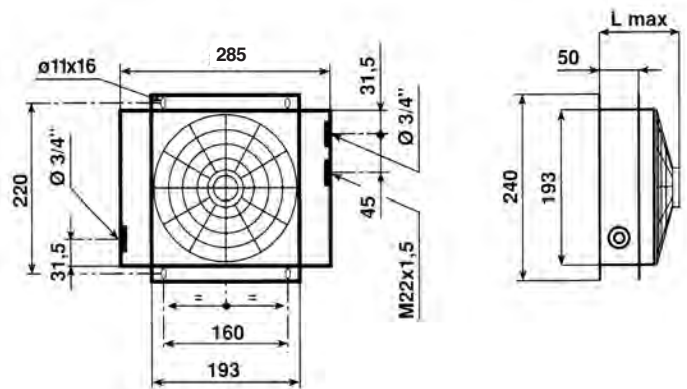
FILTRE ASPIRATIONE A VISSER POUR BÛCHERON
 SCREWING SUSTION FILTERS FOR WOOD CUTTER
 ANSAUG FILTER ZUM A
 FILTRO ASPIRACIÓN P/



ART.	A	B	C	D	E	F	G	Grado di filtrazione Filtration Ratio	CH
MU395010	1/2	3/4	21	23	14	112	149	230/250 MICRON	30
MU395011	3/4	1"	30	29	16	120	165	90/110 MICRON	40
MU395012	1/2	1"	30	29	16	100	145	250/270 MICRON	40
MU395013	3/4	1"	30	29	16	120	165	250/270 MICRON	40
MU395014	1/2	1"	30	29	16	160	205	250/270 MICRON	40
MU395015	1/2	1"	30	29	16	120	165	250/270 MICRON	40

SCAMBIATORI DI CALORE IN ALLUMINIO A15

ECHANGEUR DE CALEUR EN ALLUMINIUM A15
 ALLUMINIUM HEAT EXCHANGERS A15
 ALUMINIUM WÄRMETAUSCHER A15
 INTERCAMBIADOR TÉRMICO DE ALUMINIO A15



SCAMBIATORE CON ELETTROVENTOLA

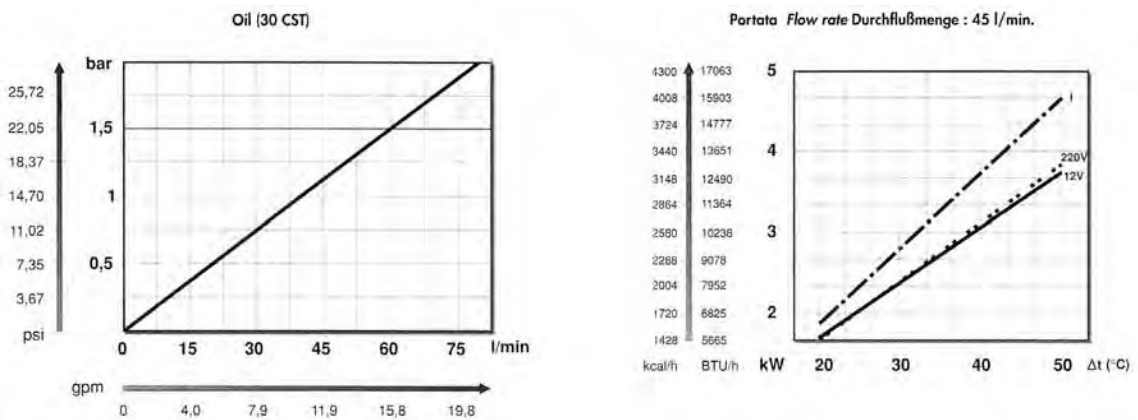
HEAT EXCHANGER WITH ELETTRICALLY DRIVEN FAN UNIT
 ECHANGEUR DE CHALEUR A VEC
 ÉLECTRO-HÉLICE DE VENTILATION
 WÄRMETAUSCHER MIT ELEKTROLÜFTER
 INTERCAMBIADOR TÉRMICO
 CON VENTILACIÓN ELÉCTRICA

ART.	Portata (l/min) portée - capacít gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Tensione (v) tension voltage spannung	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV400010	10/40	190	12	5.3	155
MV400011	10/40	190	24	2.6	155
MV400013	10/40	190	220/380	0.15	160
MV400012	10/40	190	220 MON.	0.3	160

N.B.: In fase di ordine specificare ventola soffiante o aspirante - **N.B.:** Dans le cas d'une commande, on doit spécifier hélice de ventilation soufflante ou aspirante - **N.B.:** In the order, specify if blowing winnowing fan or sucking winnowing fan - **P.S.:** In bestellung müssen sie beschreiben

SCAMBIATORE CON VENTOLA IDRAULICA

EXCHANGEUR AVEC HÉLICE DE VENTILATION HYDRAULIQUE
 HEAT EXCHANGER WITH HYDRAULICALLY DRIVEN FAN UNIT
 WÄRMETAUSCHER MIT HYDRAULIKLÜFTER
 INTERCAMBIADOR TÉRMICO CON VENTILACIÓN HIDRÁULICA



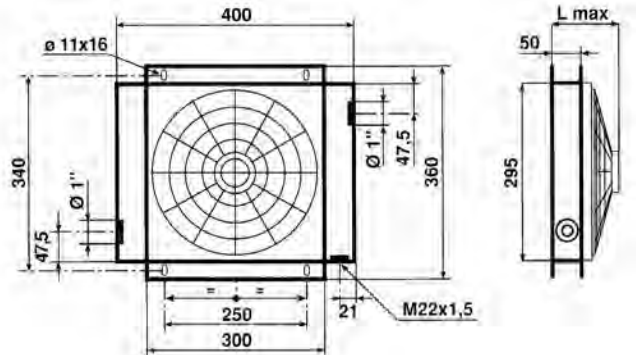
ART.	Portata (l/min) portée - capacít gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Motore Moteur Motor Motoren	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV400014	16	180	MGG 20016	-	230

SCAMBIATORI DI CALORE IN ALLUMINIO A25

ECHANGEUR DE CALEUR EN ALLUMINIUM A25
 ALUMINIUM HEAT EXCHANGERS A25
 ALUMINIUM WÄRMETAUSCHER A25
 INTERCAMBIADOR TÉRMICO DE ALUMINIO A25

SCAMBIATORE CON ELETTROVENTOLA

HEAT EXCHANGER WITH ELETTRICALLY DRIVEN FAN UNIT
 ECHANGEUR DE CHALEUR A VEC
 ÉLECTRO-HÉLICE DE VENTILATION
 WÄRMETAUSCHER MIT ELEKTROLÜFTER
 INTERCAMBIADOR TÉRMICO
 CON VENTILACIÓN ELÉCTRICA

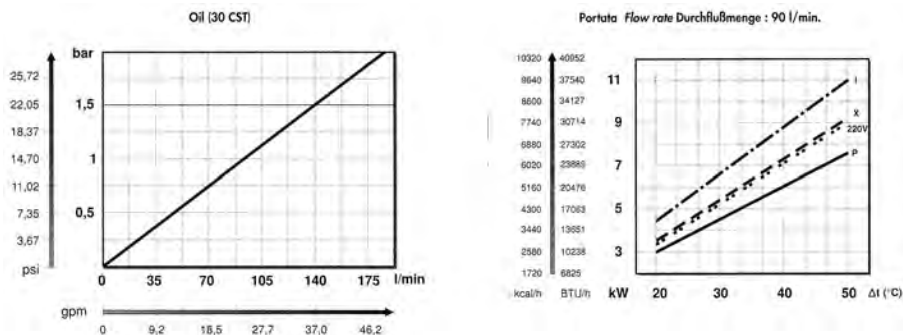


ART.	Portata (l/min) portée - capacít gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Tensione (v) tension voltage spannung	corrente (a) courant amperage stromstärke	L. MAX (mm)
MU407001	40/120	280	12	9	170
MU407002	40/120	280	24	5	170
MU407004	40/120	300	220/380	0.90	170
MU407003	40/120	300	220 MON.	0.30	170

N.B.: In fase di ordine specificare ventola soffiante o aspirante - **N.B.:** Dans le cas d'une commande, on doit spécifier hélice de ventilation soufflante ou aspirante - **N.B.:** In the order, specify if blowing winnowing fan or sucking winnowing fan - **P.S.:** In bestellung müssen sie beschreiben

SCAMBIATORE CON VENTOLA IDRAULICA

EXCHANGEUR AVEC HÉLICE DE VENTILATION HYDRAULIQUE
 HEAT EXCHANGER WITH HYDRAULICALLY DRIVEN FAN UNIT
 WÄRMETAUSCHER MIT HYDRAULIKLÜFTER
 INTERCAMBIADOR TÉRMICO CON VENTILACIÓN HIDRÁULICA



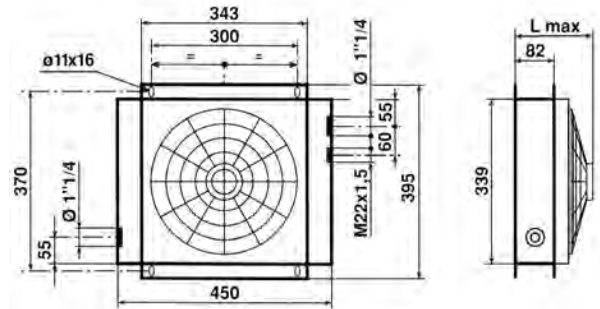
ART.	Portata (l/min) portée - capacít gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Motore Moteur Motor Motoren	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV407005	16	300	MGG 20016	-	230

SCAMBIATORI DI CALORE IN ALLUMINIO A45

ECHANGEUR DE CALEUR EN ALLUMINIUM A45
 ALLUMINIUM HEAT EXCHANGERS A45
 ALUMINIUM WÄRMETAUSCHER A45
 INTERCAMBIADOR TÉRMICO DE ALUMINIO A45

SCAMBIATORE CON ELETTROVENTOLA

HEAT EXCHANGER WITH ELETTRICALLY DRIVEN FAN UNIT
 ÉCHANGEUR DE CHALEUR A VEC
 ÉLECTRO-HÉLICE DE VENTILATION
 WÄRMETAUSCHER MIT ELEKTROLÜFTER
 INTERCAMBIADOR TÉRMICO
 CON VENTILACIÓN ELÉCTRICA

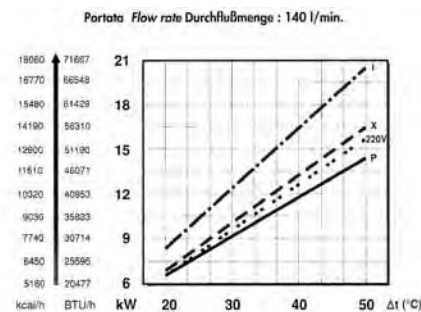
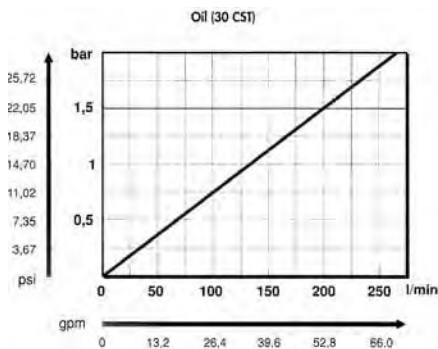


ART.	Portata (l/min) portée - capacité gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Tensione (v) tension voltage spannung	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV414001	50/180	305	12	12	210
MV414002	50/180	305	24	6	210
MV414004	50/180	305	220/380	0.30	210
MV414003	50/180	305	220 MON.	0.90	210

N.B.: In fase di ordine specificare ventola soffiante o aspirante - **N.B.:** Dans le cas d'une commande, on doit spécifier hélice de ventilation soufflante ou aspirante - **N.B.:** In the order, specify if blowing winnowing fan or sucking winnowing fan - **P.S.:** In bestellung müssen sie beschreiben

SCAMBIATORE CON VENTOLA IDRAULICA

EXCHANGEUR AVEC HÉLICE DE VENTILATION HYDRAULIQUE
 HEAT EXCHANGER WITH HYDRAULICALLY DRIVEN FAN UNIT
 WÄRMETAUSCHER MIT HYDRAULIKLÜFTER
 INTERCAMBIADOR TÉRMICO CON VENTILACIÓN HIDRÁULICA



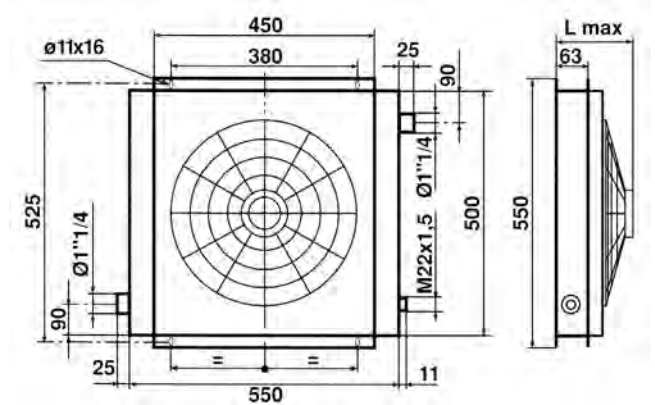
ART.	Portata (l/min) portée - capacité gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Motore Moteur Motor Motoren	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV414005	16	300	MGG 20016	-	265

SCAMBIATORI DI CALORE IN ALLUMINIO A60

ECHANGEUR DE CALEUR EN ALLUMINIUM A60
 ALLUMINIUM HEAT EXCHANGERS A60
 ALUMINIUM WÄRMETAUSCHER A60
 INTERCAMBIADOR TÉRMICO DE ALUMINIO A60

SCAMBIATORE CON ELETTROVENTOLA

HEAT EXCHANGER WITH ELETTRICALLY DRIVEN FAN UNIT
 ECHANGEUR DE CHALEUR A VEC
 ÉLECTRO-HÉLICE DE VENTILATION
 WÄRMETAUSCHER MIT ELEKTROLÜFTER
 INTERCAMBIADOR TÉRMICO
 CON VENTILACIÓN ELÉCTRICA

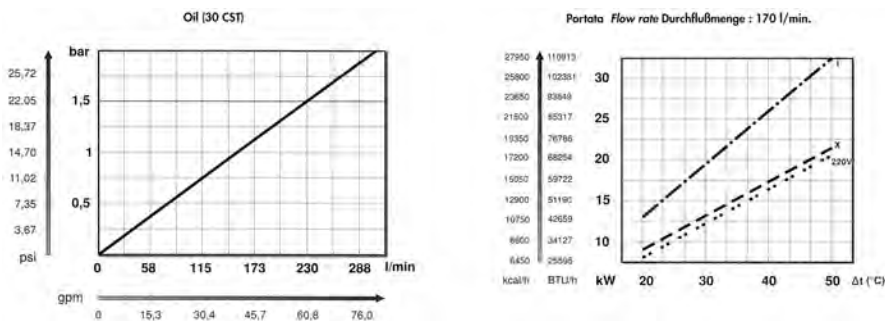


ART.	Portata (l/min) portée - capacit gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Tensione (v) tension voltage spannung	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV420001	80/280	385	12	22	215
MV420002	80/280	385	24	11	215
MV420004	80/280	400	220/380	0.40	205
MV420003	80/280	400	220 MON.	0.70	205

N.B.: In fase di ordine specificare ventola soffiante o aspirante - **N.B.:** Dans le cas d'une commande, on doit spécifier hélice de ventilation soufflante ou aspirante - **N.B.:** In the order, specify if blowing winnowing fan or sucking winnowing fan - **P.S.:** In bestellung müssen sie beschreiben

SCAMBIATORE CON VENTOLA IDRAULICA

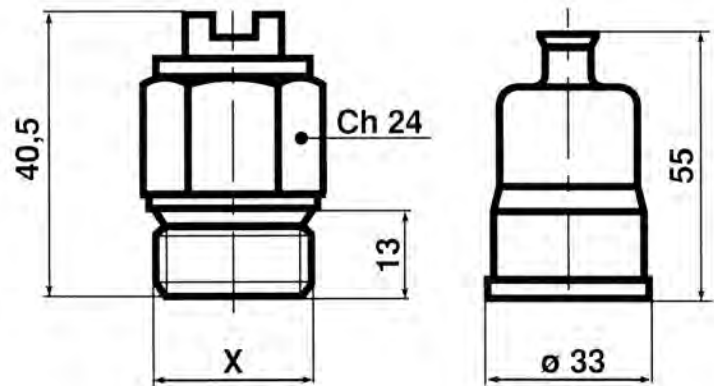
ECHANGEUR AVEC HÉLICE DE VENTILATION HYDRAULIQUE
 HEAT EXCHANGER WITH HYDRAULICALLY DRIVEN FAN UNIT
 WÄRMETAUSCHER MIT HYDRAULIKLÜFTER
 INTERCAMBIADOR TÉRMICO CON VENTILACIÓN HIDRÁULICA



ART.	Portata (l/min) portée - capacit gewicht	diametro ventola (mm) diamètre de l'hélice de ventilation fan diameter lüftersdurchmesser	Motore Moteur Motor Motoren	corrente (a) courant amperage stromstärke	L. MAX (mm)
MV420005	16	400	MGG 20016	-	320

TERMOSTATO PER SCAMBIATORE DI CALORE

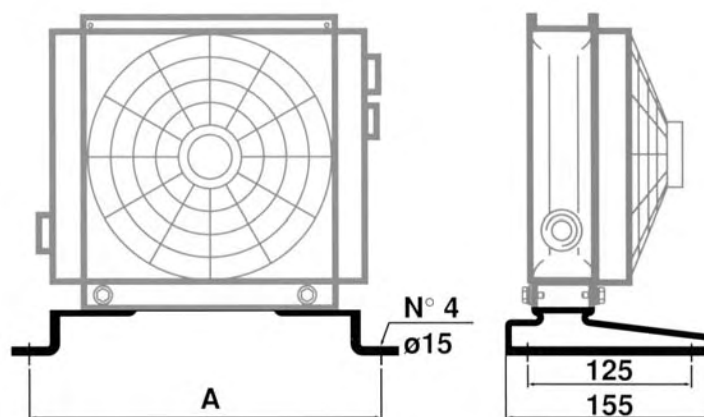
THERMOSTAT POUR ECHANGEUR DE CHALEUR
 THERMAL SWICH HEAT EXCHANGERS
 THERMOSTATE FUER WÄRMETAUSCHER
 TERMÓSTATO PARA INTERCAMBIADOR DE CALOR



ART.	Temperatura di intervento (°C)	Filetto	Grado di protezione
MV429001	60-50	M22x1,5	IP 54

STAFFE DI SUPPORTO

BRACKETS
 GACHE DE SUPPORT
 DÜGEL
 SOPORTES



ART.	Scambiatore	Mis A
MV401001	A15	228
MV408001	A25	325
MV415001	A45	376
MV421001	A60	456