

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Россия (495)268-04-70

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

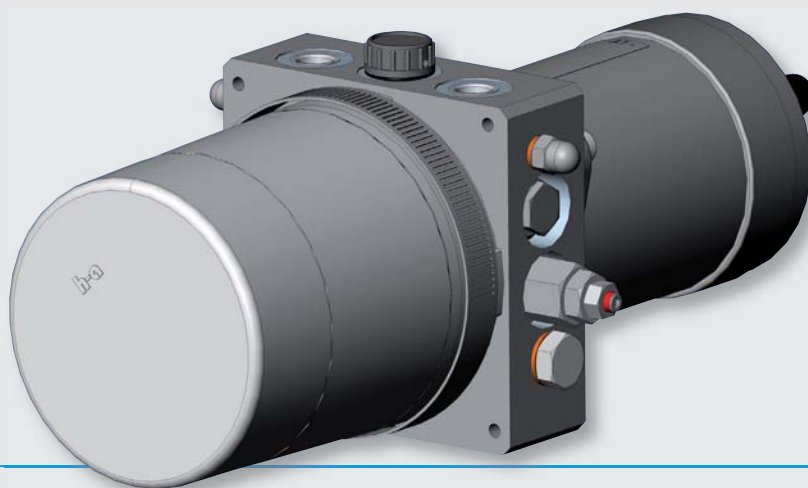
<https://danabrevini.nt-rt.ru/> || dnp@nt-rt.ru



BREVINI®

Motion Systems

MW, MR HYDRAULIC POWER UNIT



**BREVINI®**

Motion Systems

CENTRALINA POWER PACK

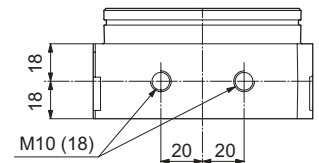
MR

ITA-ING

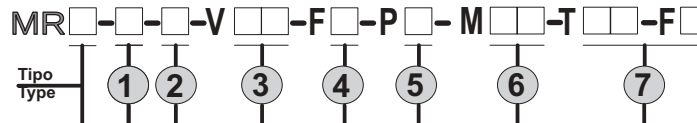
Le centraline serie **MR** sono state concepite per offrire una soluzione razionale ed economica ai più svariati problemi di automazione oleodinamica. La modularità è realizzata attraverso componenti standardizzati di larga produzione che uniscono un elevato livello qualitativo ad un'estrema semplicità di assemblaggio e di funzionamento. Questi componenti sono facilmente intercambiabili e danno alle centraline una eccezionale flessibilità di impiego per le più svariate esigenze. La modularità consente inoltre di avere a disposizione l'intera gamma di centraline con uno stoccaggio versatile ed estremamente economico di componenti. Ne deriva un gruppo compatto con elevate prestazioni e silenziosità, la cui economicità di esercizio ne consente l'impiego in tutti i settori industriali.

*The **MR** power packs have been studied to offer a rational and economic solution to the many applications of the hydraulic automation. The modularity is realized with large production standard components joining a high quality level to a very simple way of mounting and working of the unit. The components are easily interchangeable and make power packs exceptionally flexible. More on, the modularity allows the availability of the whole range of power packs with a versatile and economic stocking of the components. The result is a compact, economic and noiseless unit with high performances to be employed in all the industrial fields.*

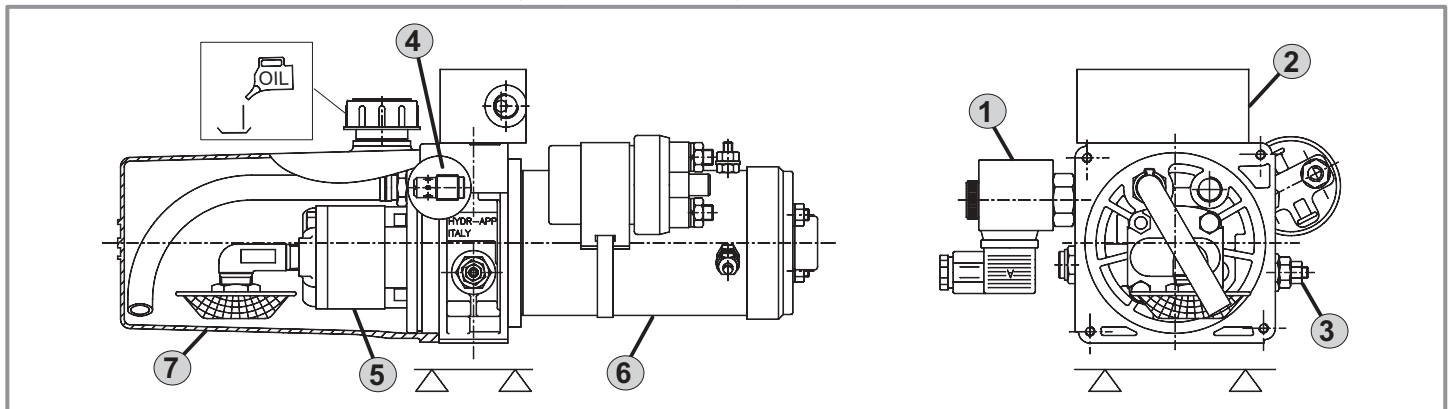
Fori di fissaggio Fixing holes



CODICE DI ORDINAZIONE



HOW TO ORDER



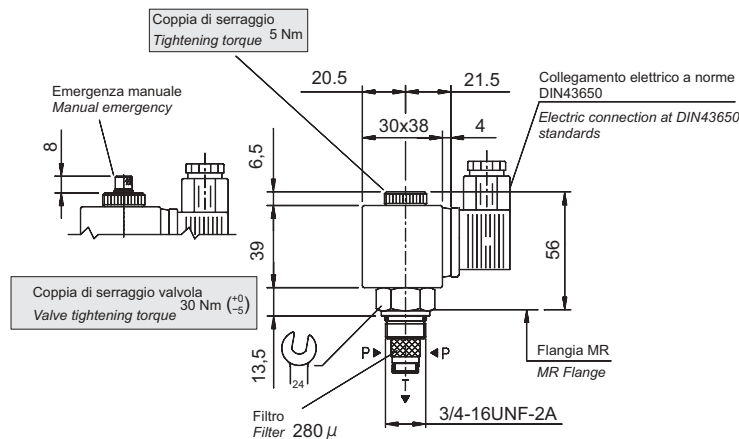
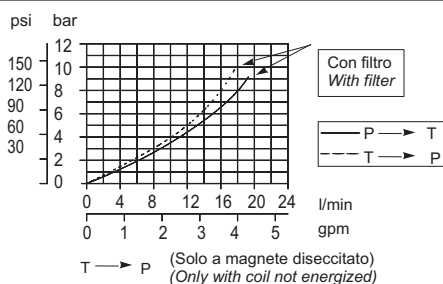
1 Comando a solenoide Solenoid valve

MR ☐ ☐

	Voltaggio solenoide Solenoid voltage	Schema Symbol
A	12 Volt DC	
B	24 Volt DC	
C	24 Volt AC 50 Hz	
D	110 Volt AC 50 Hz	
E	220 Volt AC 50 Hz	
F	12 Volt DC	
G	24 Volt DC	
L	24 Volt AC 50/60 Hz	
M	110 Volt AC 50/60 Hz	
N	220 Volt AC 50/60 Hz	
P	12 Volt DC	
Q	24 Volt DC	
R	24 Volt AC 50 Hz	
S	110 Volt AC 50 Hz	
T	220 Volt AC 50 Hz	

Caduta di pressione
Pressure drop ΔP

Solo cartuccia
Cartridge only



Connettori Connectors	
Numero poli Poles	2 + $\frac{1}{2}$
Serracavo Cable gland	PG 9
Grado di protezione Protection class	IP 65 (DIN 40050)
Classe di isolamento Group C - (VDE 0110)	Insulation Class Group C - (VDE 0110)

Caratteristiche tecniche Specifications	
Pressione max di lavoro Max operating pressure	210 bar
Portata max Max flow	22 l/min.
Drenaggio (a 210 bar) Leakage (at 210 bar)	12 cc/h
Tempi di risposta Response time	Apertura Energized 40 msec. Chiusura Deenergized 130 msec.
Fluidi : Riferimento ISO 6743/4 e DIN 51524 Fluids: Reference ISO 6743/4 and DIN 51524	

Bobine Coils	
Tolleranza sulla tensione nominale Voltage tolerance	±10%
Isolamento classe "F" a norme Insulation class "F" ref.	VDE 0580
Temperatura limite in ambiente Ambient temperature range	-15°C +40°C
Potenza assorbita Power consumption	In C.C. D.C. 18 WATT In C.A. A.C. 28 V.A. In servizio/Holding 40 V.A. Allo spunto/In rush
Servizio Duty	ED 100%

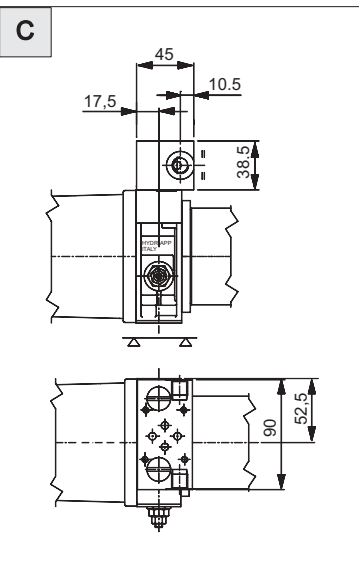
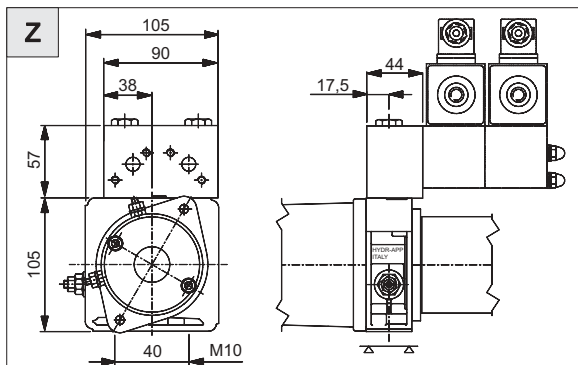
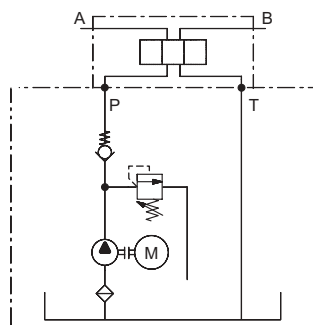
2

Blocchetti Modulari Modular manifolds

MR 4

Blocchetti Cetop3 Cetop3 manifolds

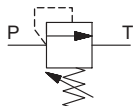
C	1/4" Chiuso 1/4" Closed	
	Pannello adattatore blocchetti Cetop3 per centralina Cetop3 manifolds adapting panel for power pack	



3

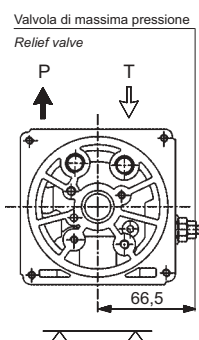
Valvola di massima pressione Relief valve

V 1



Taratura valvola di max. pressione
Relief valve setting range

A	25 - 80 bar	Standard	40 bar
B	75 - 220 bar	Standard	140 bar
C	5 - 30 bar	Standard	20 bar



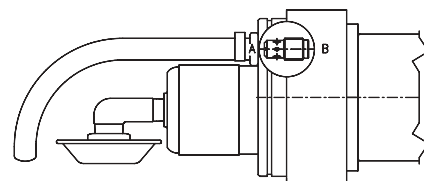
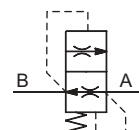
4

Valvola di strozzamento compensata fissa Flow compensated fixed valve

F

Portata nominale
Nominal flow

1,5	1,5	Lt/min
2	2	Lt/min
3,5	3,5	Lt/min
4,5	4,5	Lt/min
5,5	5,5	Lt/min
7	7	Lt/min
9	9	Lt/min
11,5	11,5	Lt/min



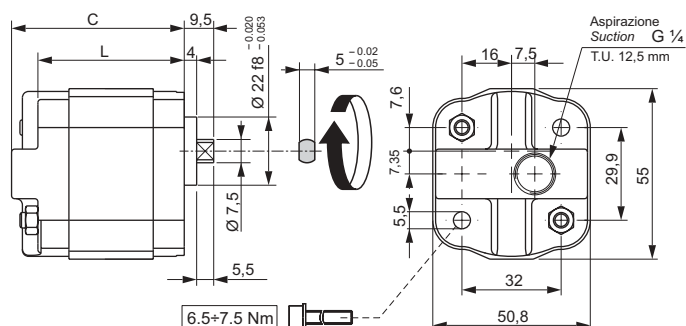
5

Pompe Pumps

P

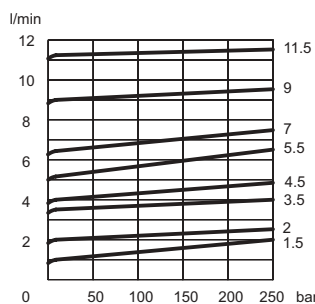


Rotazione albero : DESTRA
Direction of rotation: RIGHT



Portata controllata:
Flow controlled: B → A l/min

Fluido impiegato: olio minerale con viscosità:
Fluid used: mineral based oil with viscosity : 15 mm²/s a 40°C



Caratteristiche tecniche Technical features

Pressione max. di esercizio Max working pressure	250 bar
Portata max. Max flow	12 l/min
Portata minima Minimum flow	0.8 l/min
Errore sulla portata nominale a 120 bar Possible deviation on nominal flow at 120 bar	±10%
Temperatura di esercizio Working temperature	-15°C/+70°C
Olio idraulico a base minerale Mineral based hydraulic oil	ISO/DIN 6743/4
Viscosità fluido Fluid viscosity	22+100mm²/sec ISO3448
Grado di contaminazione massimo classe Max contamination degree class	18/14 ISO 4406
Peso Weight	Kg 0.014

	Gr	Cilindrata (cc/giro) Displacement (cc/rev)	C (mm)	L (mm)	P2 (bar)	P3 (bar)	Velocità massima (giri/min) Max speed (RPM)	Codice pompa Pump code	Codice kit pompa Pump kit code
A	05	0.3	54.0	45.5	230	270	7000	23003800.035	17050019.035
B	05	0.5	55.7	47.2	230	270	7000	23004000.035	17050021.035
C	05	0.62	56.7	48.2	230	270	6500	23004100.035	17050022.035
D	05	0.84	58.5	50.0	230	270	6500	23004200.035	17050023.035
J	05	1	59.8	51.3	230	270	6000	23004300.035	17050024.035
Z	05	1.25	61.9	53.4	230	270	6000	23004400.035	17050025.035

P2 = Pressione massima di esercizio / Max working pressure

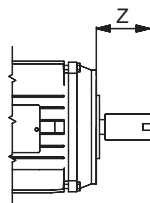
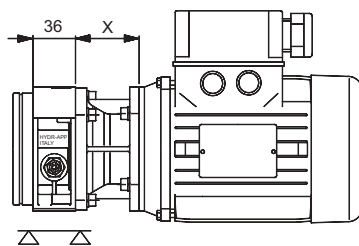
P3 = Pressione intermittente (20 sec. max) / Intermittent peak pressure (20 sec. max)

6

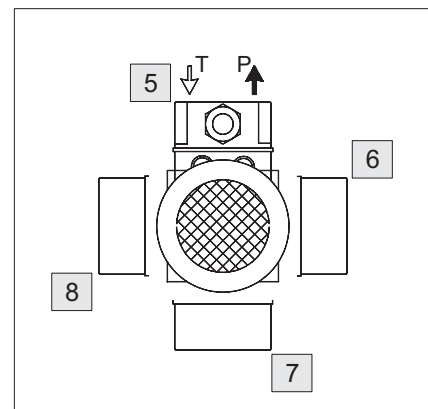
Motori elettrici Electric motors

Motori elettrici C.A. Forma B14 secondo le Norme UNEL IEC
A.C. electric motors B14 according to UNEL IEC standards

	5 6 7 8				0
	Posizione di montaggio Mounting position				Senza motore Without motor
	Grandezza Size	Potenza Power	HP	X	Flangia Flange
	B14	kW	HP	X	
R	63	0,18-0,25	0,25-0,33	54,7	2 Poli 2 Poles
L	71	0,35-0,55	0,5-0,75	53,9	
M	80	0,75-1,1	1-1,5	54,7	
R	63	0,12-0,18	0,17-0,25	54,7	4 Poli 4 Poles
L	71	0,25-0,37	0,33-0,5	53,9	
M	80	0,55-0,75	0,75-1	54,7	
R	63	0,09-0,12	0,12-0,17	54,7	6 Poli 6 Poles
L	71	0,18-0,25	0,25-0,34	53,9	
M	80	0,37-0,55	0,5-0,75	54,7	



Z
R 42,8 mm
L 42 mm
M 53 mm



ATTENZIONE
- Determinare accuratamente la quota Z e bloccare la vite di fermo
- Dopo il collegamento elettrico, verificare il senso di rotazione per la durata di 1 secondo max. con la pompa a scarico; si eviteranno così danni irreparabili alla pompa.
WARNING
- Carefully determine the Z dimension and lock the grub-screw
- After the electric connection, please check the sense of rotation of the pump in exhaust flow for no more than 1 second: Serious damages will be so avoided.

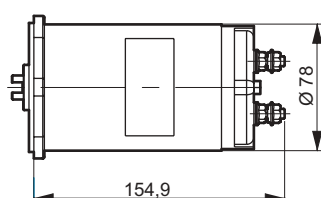
	1	2	3	4	5	6	7	8
	Posizione teleruttore Start switch position				Posizione dei poli senza teleruttore Poles position without start switch			

HF	12 Volts	D.C. 500 W	code 25024200
HE	24 Volts	D.C. 500 W	code 25024300
GU	12 Volts	D.C. 800 W	code 25021800
GZ	24 Volts	D.C. 800 W	code 25021900

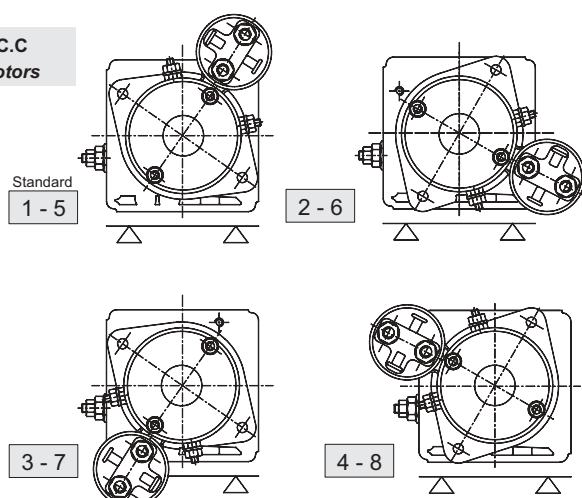
Caratteristiche tecniche / Specifications
Motore in c.c.a magneti permanenti
Permanent magnet d.c. Motor
Senso di rotazione reversibile (nominale sx)
Reversible rotation (nominal left)
Grado di protezione / Protection class IP54
Classe di isolamento / Insulation class F

GC GD

162



Motori elettrici C.C.
D.C. Electric motors

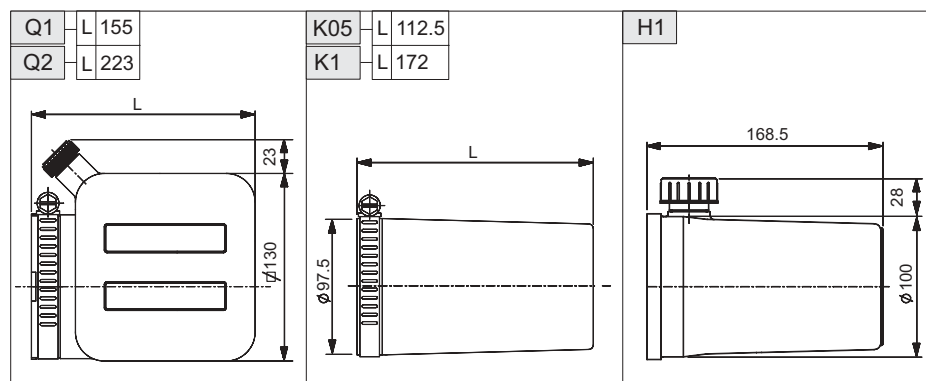


7

Serbatoi Reservoirs

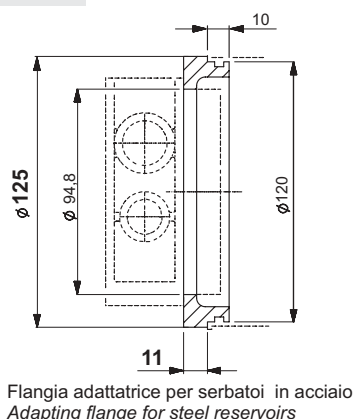
Serbatoi in plastica
Plastic reservoirs

H1	Serbatoio capacità nominale litri 1 con tappo di carico 1 liter nominal capacity reservoir with fill port
K05	Serbatoio capacità nominale litri 0,5 senza tappo di carico 0.5 lt nominal capacity reservoir without fill port
K1	Serbatoio capacità nominale litri 1 senza tappo di carico 1 lt nominal capacity reservoir without fill port
Q1	Serbatoio capacità nominale litri 1 con tappo di carico a 45° 1 lt nominal capacity reservoir with 45° fill port
Q2	Serbatoio capacità nominale litri 2 con tappo di carico a 45° 2 lt nominal capacity reservoir with 45° fill port

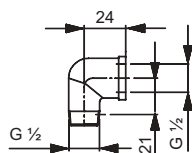


Serbatoi in acciaio
Steel reservoirs

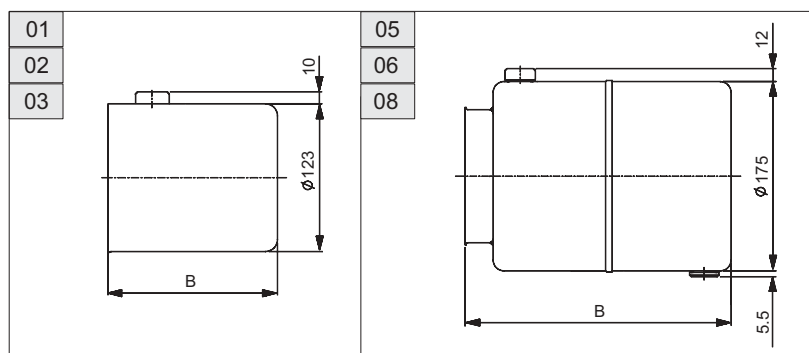
		B
01	Litri Liters	1 141
02	Litri Liters	2 200
03	Litri Liters	3 330
05	Litri Liters	5 246
06	Litri Liters	6 308
08	Litri Liters	8 370



Flangia adattatrice per serbatoi in acciaio
Adapting flange for steel reservoirs



Raccordo per tappo di carico
montaggio verticale
Filling plug adapter for vertical
mounting



MW HYDRAULIC POWER UNIT

ORDERING CODE

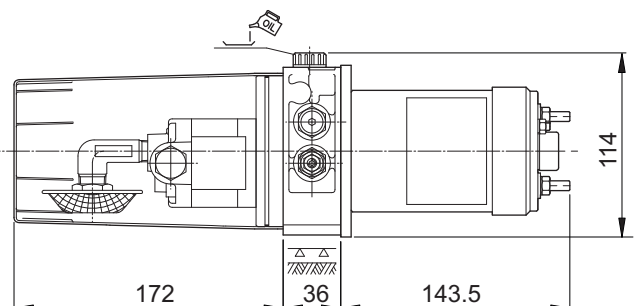
MW* - A * / A * - P * - M ** * - T ** - F *											
Hydraulic power unit type		Page		Mounting type		Page					
MW	Standard	2		0	Verticale without tank	11 12 13 14					
MW1	With cylinder differencial volume drain and manual override	3		1	Horizontal						
MW2	With cylinder differencial volume drain	4		2	Vertical						
				3							
				4							
				5							
A		Pressure relief valve on P1 (screw adjustment)			F		Mounting position tank				
Setting range		Page		Tank type		Page					
A	25 ÷ 80 bar	2		K05	0.5 liters	Plastic		11			
B	75 ÷ 220 bar			K1	1 liter			12			
C	5 ÷ 30 bar			H1	1 liter			12			
				Q1	1 liter			13			
				Q2	2 liters			13			
A	Pressure relief valve on P2 (screw adjustment)			01	1 liter	Steel	14				
Setting range		Page		02	2 liters						
A	25 ÷ 80 bar	2		03	3 liters						
B	75 ÷ 220 bar			05	5 liters						
C	5 ÷ 30 bar			06	6 liters						
				08	8 liters						
				T	Tank						
P	Reverse pump PHV 0.5			0-5-6-7-8		Mounting position motors		Pages 8-6-10			
Nominal displacement		Page		DC motors		Page		AC motors		Page	
A	0.25 cc/rev	5		GA	12V CC - 0.35 kW	6		R	Size 63	10	
B	0.45 cc/rev			GB	24V CC - 0.40 kW			L	Size 71	10	
C	0.56 cc/rev			HF	12V CC - 0.50 kW			M	Size 80	10	
D	0.75 cc/rev			HE	24V CC - 0.50 kW						
J	0.92 cc/rev			GC	12V CC - 0.70 kW	8					
Z	1.26 cc/rev			GD	24V CC - 0.80 kW	8					
				GU	12V CC - 0.80 kW	9					
				GZ	24V CC - 0.80 kW	9					
				M		DC/AC motors					

ORDERING CODE EXAMPLE

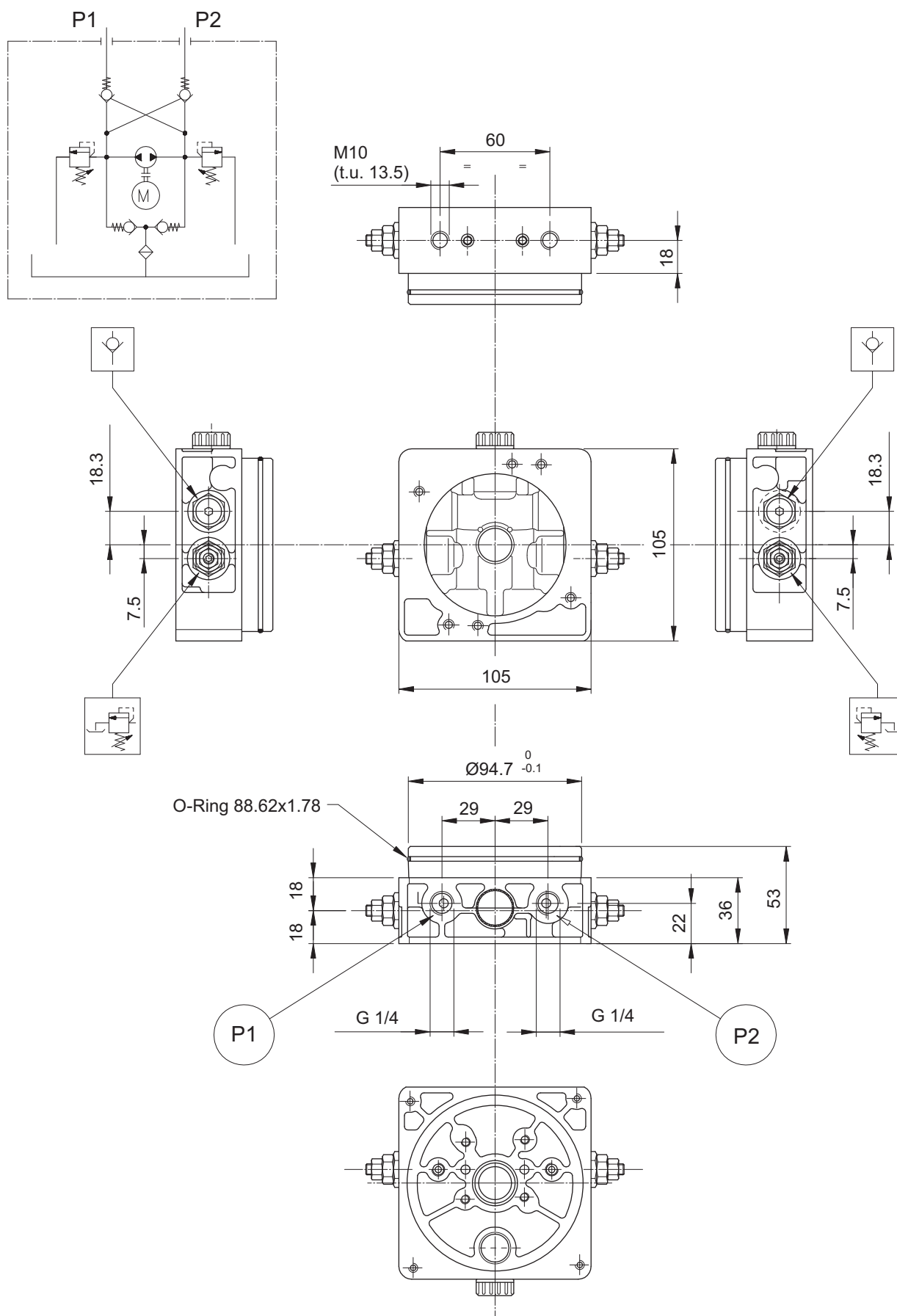
MW- AA/AA- PB- MGB5- TK1-F1

Hydraulic power unit type MW reversible type, with pressure relief valve on P1, setting 25 to 80 bar with adjustable screw, pressure relief valve on P2 setting 25 to 80 bar with adjustable screw, pump a 0.45 cc/rev, DC motor 24 Volt 0.4 kW in standard mounting position, standard 1-liter fuel tank mounted horizontally.

STANDARD VERSION OVERALL DIMENSIONS

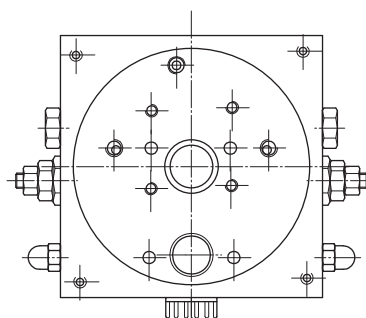
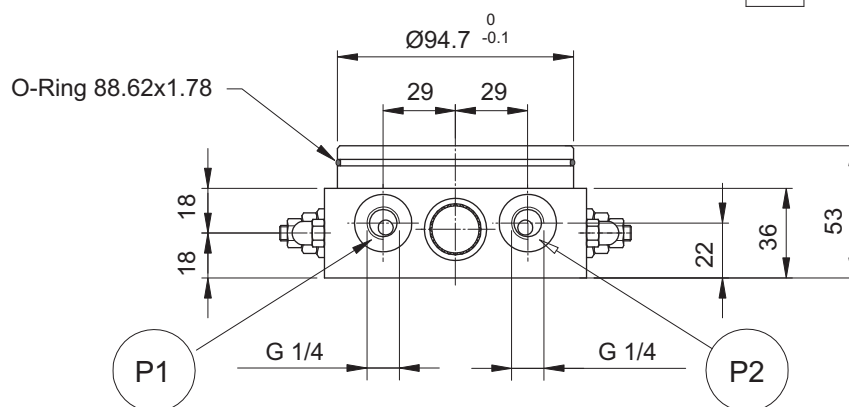
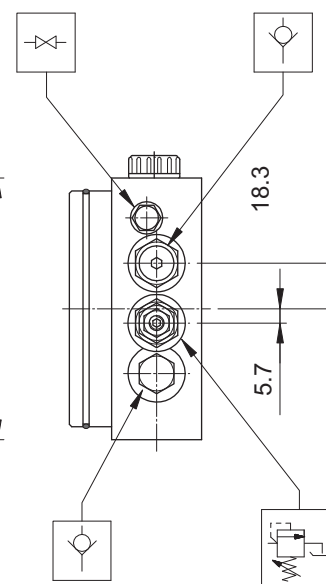
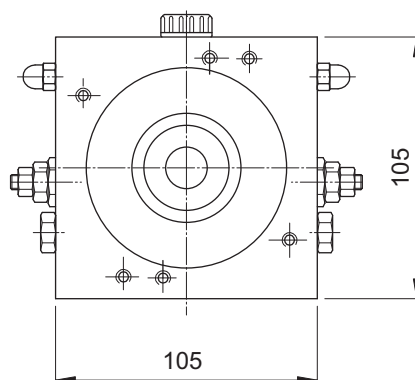
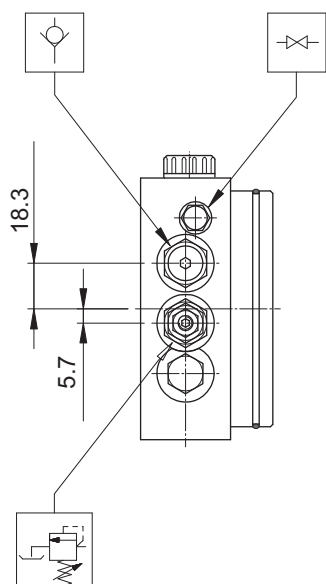
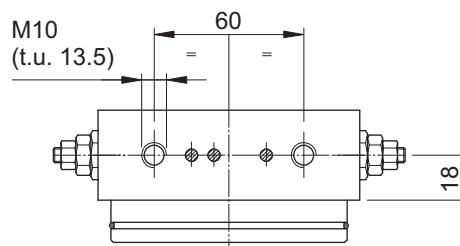


STANDARD VERSION



Motion Systems

The diagram shows a hydraulic circuit with two pumps, P1 and P2, connected to a common return line. P1 is on the left and P2 is on the right. Both pumps have check valves on their suction lines. The discharge lines of P1 and P2 are connected to a central manifold. This manifold has a check valve on the P1 side and a pressure indicator (a circle with a diagonal line) on the P2 side. The manifold is connected to a motor M. The motor M has a check valve on its suction line and a pressure indicator on its discharge line. The discharge line of the motor M is connected to a common return line that also receives input from the suction lines of both pumps P1 and P2.

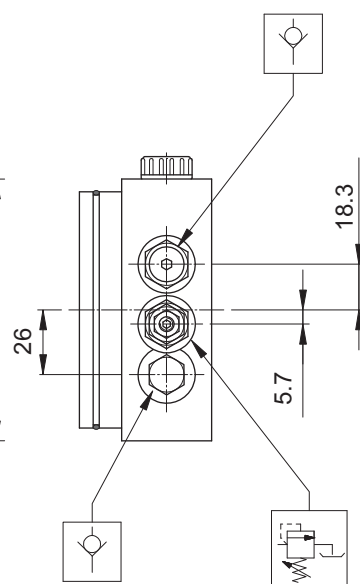
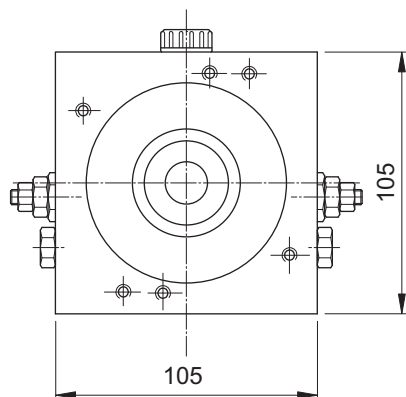
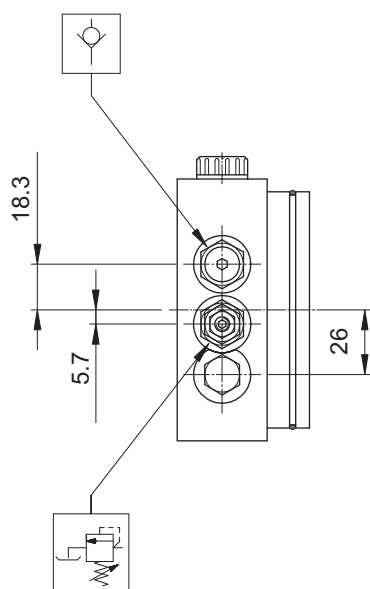
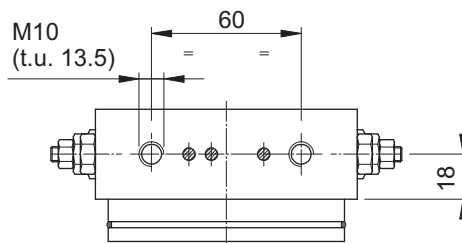
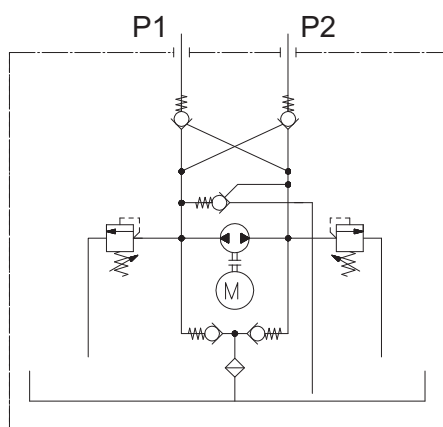


MW2 HYDRAULIC POWER UNIT

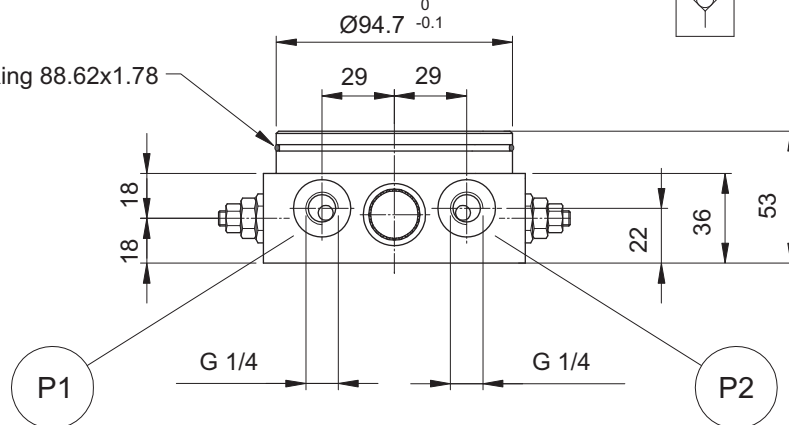
**BREVINI®**

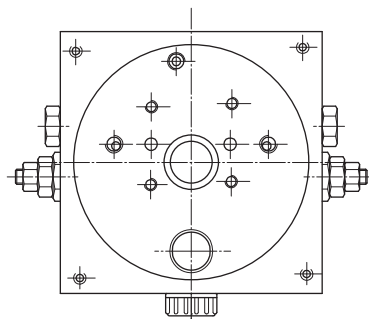
Motion Systems

WITH CYLINDER DIFFERENTIAL VOLUME DRAIN



O-Ring 88.62x1.78





Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
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Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
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Нижегород (831)429-08-12
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Казахстан (772)734-952-31

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
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Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93