



# Hydraulic Technology



## Not only manufacturers...

We have developed from a long history: more than 30 years of experience in designing and manufacturing hydraulic components. As a consequence our production is based on a strong foundation of R&D in our products and applications. This makes us naturally closer to our customers' needs.

The strenght of grouping our 7 companies has allowed us to extend our offer from components to product packages and to create an efficient and responsive after sales service.

*Brevini Fluid Power*  
meets your hydraulic needs easily



Brevini Fluid Power S.p.A.  
Via Moscova, 6  
42124 Reggio Emilia  
Italy  
Tel +39 0522 270711  
Fax + 39 0522 270660  
info@brevinifluidpower.com  
www.brevinifluidpower.com



# Brevini Fluid Power is

## FLUID SUPPLY



Piston pump variable displacement		
Closed loop		
Pcont = 250 bar – 420 bar		
Series	cc	rpm
MD10V 14	14	3600
MD10V 18	18	3600
MD10V 21	21	3600
MD10V 28	28	3600
MD10V 50	50	3600
MD10V 64	64	3600
SH6V 75	75	3400
SH6V 130	128	2850



Piston pump variable displacement		
Open loop		
Pcont = 280 bar – 350 bar		
Series	cc	rpm
SH5V 32	32	3150
SH5V 45	43.3	2700
SH5V 50	49.7	3000
SH5V 63	64	2500
SH5V 75	75	2600
SH5V 90	93.8	2350
H1V 55	54.8	2600
H1V 75	75.3	2300
H1V 108	107.5	2000
H1V 160	160.8	1800
H1V 226	225.1	1500



Piston pump fixed displacement		
Open and closed loop		
Pcont = 350 bar		
Series	cc	rpm
H1C 6	6.1	5000
H1C 12	10.9	4300
H1C 20	19.6	4300
H1C 30	30	3000
H1C 40	40.1	3300
H1C 55	54.8	2600
H1C 75	75.3	2300
H1C 90	87	2500
H1C 108	107.5	2000
H1C 160	160.8	1800
H1C 226	225.1	1600



Gear pumps		
Gear motors		
Flow dividers		
Series	cc	Pmax
OT 100 – Gr 1	0.73 – 7.6	300 bar
OT200 – Gr 2	4.1 – 30	300 bar
OT 200 Silent	4.1 – 30	300 bar
OT 300 – Gr 3	20 – 60	250 bar



Stackable valves		
Open and closed loop		
Pmax = 250 bar		
Series	Flow l/min	
CDC3	30	On/off
CD3	40	On/off
CX3	Up to 20	Proportional control
CXQ3	Up to 25	Pressure compensated

## FLUID CONTROL



Cetop valves		
Series	Flow l/min	Press
Cetop 2/NG04	20	250 bar
Cetop 3/NG06	60	350 bar
Cetop 5/NG10	100	350 bar
Cetop 7/NG16	300	350 bar
Cetop 8/NG25	600	320 bar



Directional valves		
Open centre		
Pcont = 350 bar – 400 bar		
Series	Inlet flow.	
DCV 20	40 l/min	Monoblock
DCV 40	70 l/min	Monoblock
DCV 30	40 l/min	Sectional
DCV 50	70 l/min	Sectional
DCV 80	120 l/min	Sectional
DCV MG	230 l/min	Sectional



Proportional valves		
Open and closed centre		
Pcont = 370 bar		
Series	Inlet flow.	Section flow
HPV 41	250 l/min	130 l/min
HPV 77	390 l/min	190 l/min

**Joystick main benefits:**

- Available in one or two axis config.
- Up to four axes controller
- Can be supplied with non-contact hall effect sensors or long life potentiometer tracks
- Suited to a range of operator control functions
- Enables user configuration for system safety
- Additional operator control functions

Proportional on/off		
Bankable valve		
Open and closed centre		
P max = 300 bar – flow in = 80 l/min		
Series	Regulated flow	Proportional
CXDH3	Up to 35 l/min	Compensated
CDH3	Adjustable by holed screws	On/off Compensated

## FLUID DRIVES



Piston motor variable displacement		
Open and closed loop		
Pcont = 430 bar		
Series	cc	rpm
SH7V 55 *	61 – 12.2	4450
SH7V 75	80.6 – 16	4000
SH7V 108	112.5 – 22	3400
SH7V 160	160.8 – 32.2	3100

Motors can swivel to zero

Series	cc	rpm
H2V 55	54.8 – 15.8	3900
H2V 75	75.3 – 21.7	3500
H2V108	107.5 – 31	3200
H2V160	160.8 – 46.4	2800
H2V 226	225.1 – 64.9	2500
H2VR 55	54.8 – 15.8	3900
H2VR 75	75.3 – 21.7	3500
H2VR 108	107.5 – 31	3200

\* Coming soon



Piston motor fixed displacement		
Open and closed loop		
Pcont = 430 bar		
Series	cc	rpm
SH11C 55	56.3	5000
SH11C 63 *	63	5000
SH11C 75	77.8	4500
SH11C 90 *	90	4500
SH11C 108 *	108.4	4000
SH11C 125 *	124.9	4000

Series	cc	rpm
H1C 6	6.1	6000
H1C 12	10.9	5590
H1C 20	19.6	5590
H1C 30	30	4500
H1C 40	40.1	4950
H1C 55	54.8	3900
H1C 75	75.3	3450
H1C 90	87	3750
H1C 108	107.5	3000
H1C 160	160.8	2700
H1C 226	225.1	2400

\* Coming soon



Orbit motor			
Open and closed loop			
Series	cc	rpm	Max torque
BGM	13 – 50	1550 - 400	94 Nm
BG	40 – 400	1375 – 150	440 Nm
BR	50 – 400	775 – 153	750 Nm
HR/C	80 – 400	932 – 190	980 Nm
HT/C	160 – 500	625 – 240	1600 Nm
ARF	50 – 400	775 – 165	520 Nm
ARS	50 – 400	778 – 165	520 Nm
BRZV (CTM)	50 - 400	775 – 153	425 Nm



Compact trackdrives		
Open and closed loop		
Pcont = 210 bar		
Series	Motor cu.in	Max torque
CTM 1009	BRZ 50- 130	1000 Nm
CTM 1016	BRZ 50 – 160	1300 Nm
CTM 1022	BRZ 80 – 200	2200 Nm
CTM 1022	HRM 80 - 200	2200 Nm

## ELECTRONICS



Electronic control systems	
Type	Description
M82	Limiting device
TPV	Pressure sensor
VPL	Bar led display
ID3	Tilt device
TLM	Lenght transducer
MD83	Limiting device
TPE	Pin load cell
TD	Strain gauge transducer
Can Tronic	Graphic display

## CLUTCHES



Clutches			
Series	Type	rpm	Max torque
IM05	Mechanical	2000	9 Nm
IM1	Mechanical	2700	19 Nm
IM2	Mechanical	2700	60 Nm
IM10	Electro mechanical	5000	10 Nm
IM13	Electro mechanical	5000	13 Nm

## POWERPACKS & GEARBOXES



Mini powerpacks		
Series	Pump / cc	Motor sizes
MC2-MC4	0.25 – 9.8	DC/AC B14
MK1-MK2	Dockleveller units	
VT	0.25 – 9.8	DC/AC B14
MH	4 – 25	AC B5
FP	0.25 – 9.8	DC/AC B14
EP- MP	Pump DC motor combinations	

Micro powerpacks		
Series	Pump / cc	Motor sizes
MR2 – MR4	0.25 – 1.26	DC/AC B14
MW – MW1	0.25 – 1.26	DC/AC B14
MK1 – MK2	Dockleveller units	



Gearboxes		
Series	Ratio	Power (Kw)
ML 32	1.5 t/m 3.8	10
ML 52	1 t/m 3.8	30
B 580	1 t/m 4.8	30
B 600	1 t/m 3.8	50
B 502	1 t/m 3.8	55
B 582	1 t/m 4.8	55
B 602	1 t/m 3.8	100
RD 33	0.66 t/m 0.26	6
RD 42	0.66 t/m 0.29	6
RD 52	0.66 t/m 0.26	12