



PRODUCT OVERVIEW



BEMCO FLUIDTECHNIK LLP

a **Bemco Group** Company

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Bemco Fluidtechnik LLP commenced its operations in 2015, specialising in design & manufacture of hydraulic components and systems tailored for high-pressure applications up to 700 kgf/cm². Through the years, the company has expanded its product portfolio to include a comprehensive range of offerings for mid and low-pressure applications. This diverse selection consists of pumps, valves, accessories, power-units and hydraulic systems designed for customer specific applications.

The products are used in multiple sectors, including machine tools, automotive, oil & gas, off-highway equipment, wind power, garage equipment, hydraulic jacks, presses, special-purpose rigs, and construction equipment. Marketed under the brand name 'FLUIDIK,' the products embody the rich legacy of our parent company, Bemco Hydraulics Ltd. (BEMCO), a reputable and publicly listed entity established in 1957. Bemco has earned a distinguished reputation as a premier manufacturer of high tonnage hydraulic and servo presses up to 6,000 tons. In addition to this, Bemco offers a wide range of equipment, including wheel fitting presses, straightening presses, re-railing & rescue equipment and a variety of components for defence and aerospace industries.

With a steadfast dedication to excellence, FLUIDIK continues to strive for advancements that meet the evolving needs of our diverse customers, solidifying our position as a key supplier of hydraulic solutions.

The following pages provide an overview of FLUIDIK hydraulic products, components and solutions available independently or as a ready to use solution to our customers. While the product range detailed in the following pages are quiet exhaustive, it may be possible that they do not meet your requirements due to design, form, application or your need for a customised solution. In such an event, please feel free to write to us detailing your needs and we will be glad to assist you.

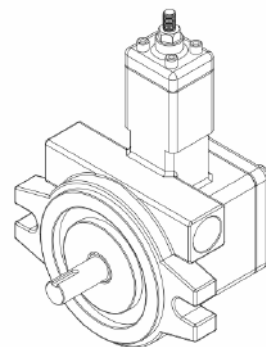
You may also write to us for additional technical details, 3D models, technical queries or electrical drawings, commissioning support, spares or service. Please visit www.fluidik.co or write to us at info@fluidik.co for additional details.

Conversion Table			
1 bar	1.01 kgf/cm²	14.5 psi	0.1 MPa
1 lpm	0.26 gpm (US)	0.001 m³/min	0.035 ft³/min
°C =°K - 273.15	°C = (°F - 32) (5/9)	°K = (°F - 32) (5/9) + 273.15	°F = °C (9/5) + 32
1 kg	1000 gms	2.2 lb	35 oz
1 cSt	1 mm²/s	1 x 10 ⁻⁶ m²/s	0.132° Engler
1 meter	1.09 yd	3.28 ft	39.37 inch

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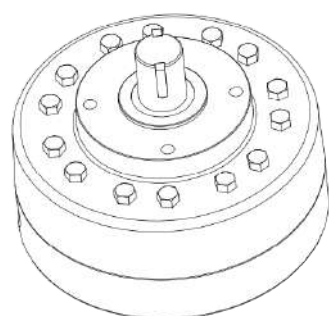
product overview

Pumps



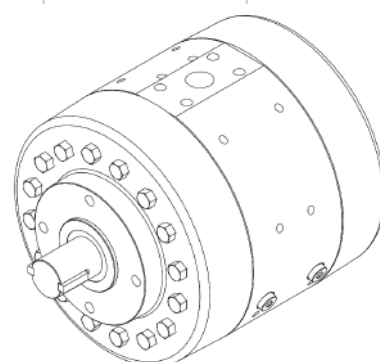
Vane Type - Variable Flow

Type	Max Flow	Max Pressure	Document
FVP1-12	12 lpm	70 kgf/cm ²	f3.0/FVP/R0
FVP1-16	16 lpm		
FVP2-24	24 lpm		



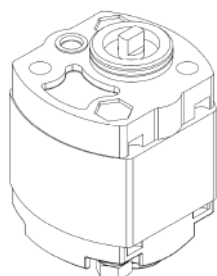
Radial Piston - Single port/ 700bar

Type	Max Flow	Max Pressure	Document
HP1-3PA	2.4 lpm	700 kgf/cm ²	f3.0/HP1/R0
HP1-5PA	4.0 lpm		
HP1-7PA	5.6 lpm		
HP1-9PA	7.2 lpm		
HP1-18PA	11.6 lpm		



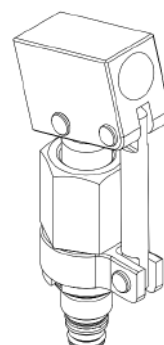
Radial Piston - Multi-port

Type	Max Combined Flow	Max Pressure	Document
2-port	20.6 lpm	400 kgf/cm ²	f3.0/RPX/R0
3-port			
4-port			



Gear Pump - Fixed

Type	Max Flow	Max Pressure	Document
FGP 2.1	3.1 lpm	200 kgf/cm ²	f3.0/FGP/R0



Hand Pump - Cartridge/ Line/ Tank

Type	Max Flow	Max Pressure	Document
FHP10-K	10 cc/ stroke	250 kgf/cm ²	f3.0/FHP/R0
FHP10-L			
FHP10-T			

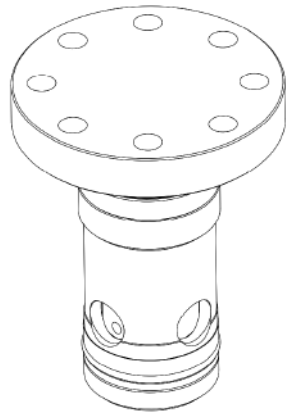
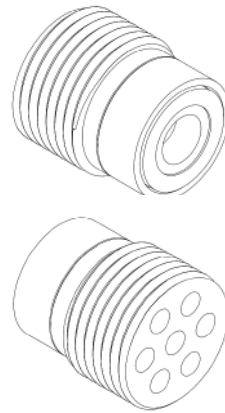


product overview

Cartridge Valves

Check Valve - CVK Type

Type	Flow	Max Pressure	Document
CVK 0	12 lpm	700 kgf/cm ²	f3.0/CVK3x/R0
CVK 1	22 lpm		
CVK 2	30 lpm	600 kgf/cm ²	
CVK 3	65 lpm	550 kgf/cm ²	
CVK 4	180 lpm	420 kgf/cm ²	
CVK 5	250 lpm	350 kgf/cm ²	

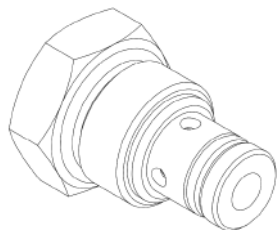
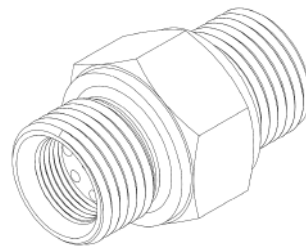


Check Valve - CVMSR Type

Type	Flow	Max Pressure	Document
CVMSR 8	30 lpm	420 kgf/cm ²	f3.0/CVMSR/R1
CVMSR 15	120 lpm		
CVMSR 20	200 lpm		
CVMSR 25	300 lpm		
CVMSR 30	400 lpm		

Check Valve - CVL Type

Type	Flow	Max Pressure	Document
CVL 2 - 3/8"	40 lpm	315 kgf/cm ²	f3.0/CVL1x/R0
CVL 3 - 1/2"	50 lpm		
CVL 4 - 3/4"	100 lpm		
CVL 5 - 1"	150 lpm		
CVL 6 - 1-1/4"	200 lpm		
CVL 7 - 1-1/2"	350 lpm		



Check Valve - Cartridge Type

Type	Max Flow	Max Pressure	Document
AECV4	10 lpm	315 kgf/cm ²	f3.0/AECV/R0

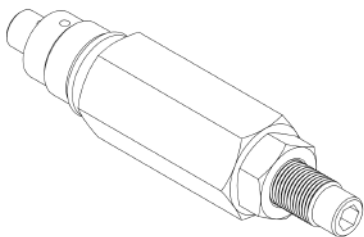
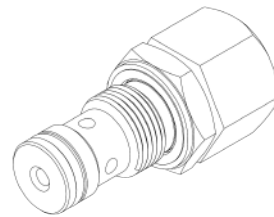


product overview

Cartridge Valves

Relief Valve - 210bar

Type	Max Flow	Max Pressure	Document
AERV4	10 lpm	210 kgf/cm ²	f3.0/AERV/R0

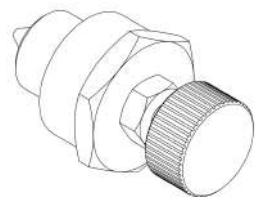
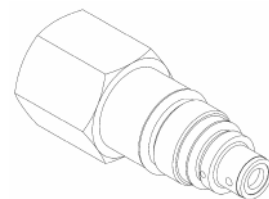


Relief Valve - 700bar

Type	Max Flow	Max Pressure	Document
RVE4	5 lpm	700 kgf/cm ²	f3.0/RVE2x/R0

Unloading Valve

Type	Max Flow	Unload Pressure	Document
PUV 5 - 30	10 lpm	30 kgf/cm ²	f3.0/PUV2x/R0
PUV 5 - 70		70 kgf/cm ²	

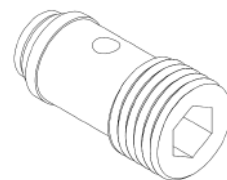


Needle Valve

Type	Max Flow	Max Pressure	Document
QVK 4	10 lpm	315 kgf/cm ²	f3.0/QVK2x/R0
QVK 6	30 lpm		
QVK 8	60 lpm		

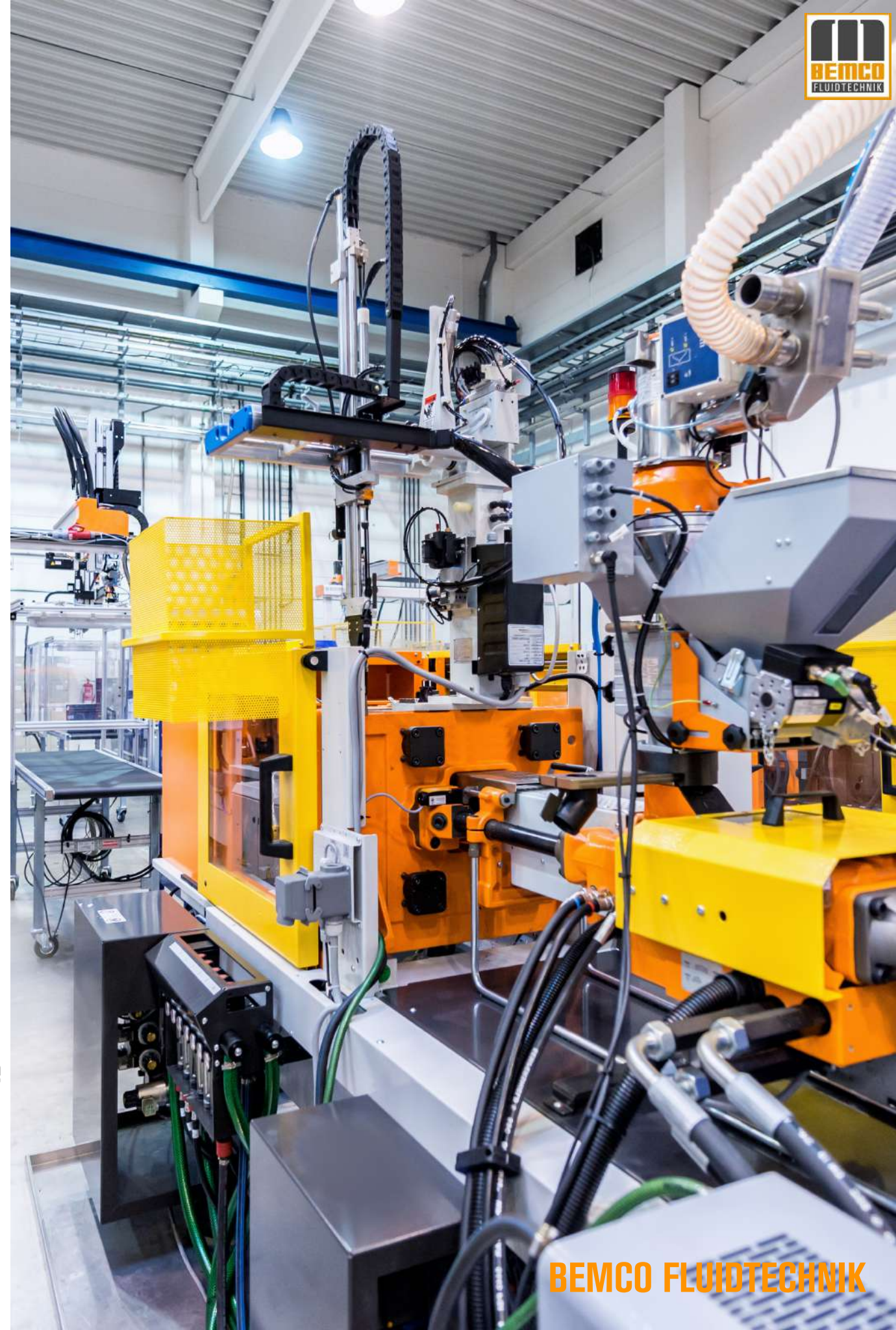
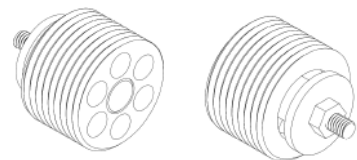
Shuttle Valve - Miniature

Type	Max Flow	Max Pressure	Document
FVS - 1	15 lpm	420 kgf/cm ²	f3.0/FVS/R0



Hose Burst Valve - Cartridge

Type	Sizes	Max Pressure	Document
HBV 1	1/4" BSP	315 kgf/cm ²	f3.0/HBV/R0
HBV 2	3/8" BSP		
HBV 3	1/2" BSP		
HBV 4	3/4" BSP		
HBV 5	1" BSP		

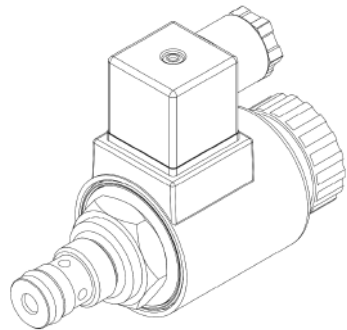
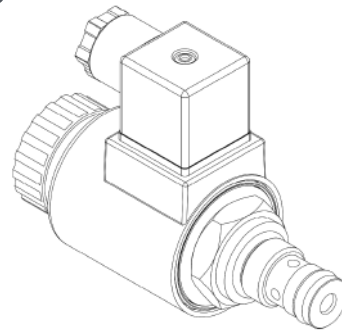


product overview

Cartridge Valves

Dir. Poppet Valve NC - Solenoid

Type	Max Flow	Max Pressure	Document
DHF 06	16 lpm	210 kgf/cm ²	f3.0/DHF06/R0
DHF 08	36 lpm		f3.0/DHF08/R0

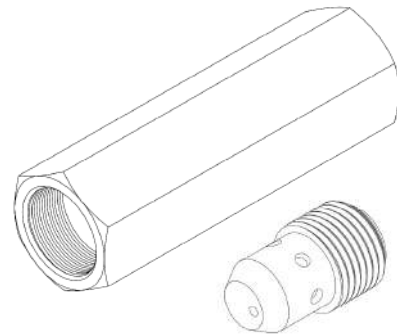
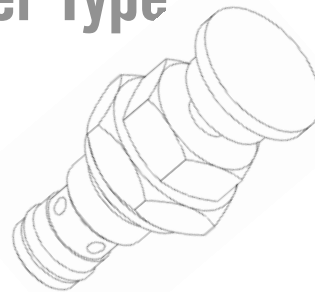


Dir. Poppet Valve NO - Solenoid

Type	Max Flow	Max Pressure	Document
DHF 06	16 lpm	210 kgf/cm ²	f3.0/DHF06/R0

Dir. Poppet Valve NC - Manual & Lever Type

Type	Max Flow	Max Pressure	Document
DHFM 06	16 lpm	210 kgf/cm ²	f3.0/DHFM/R0
DHFL 06			f3.0/DHFL/R0

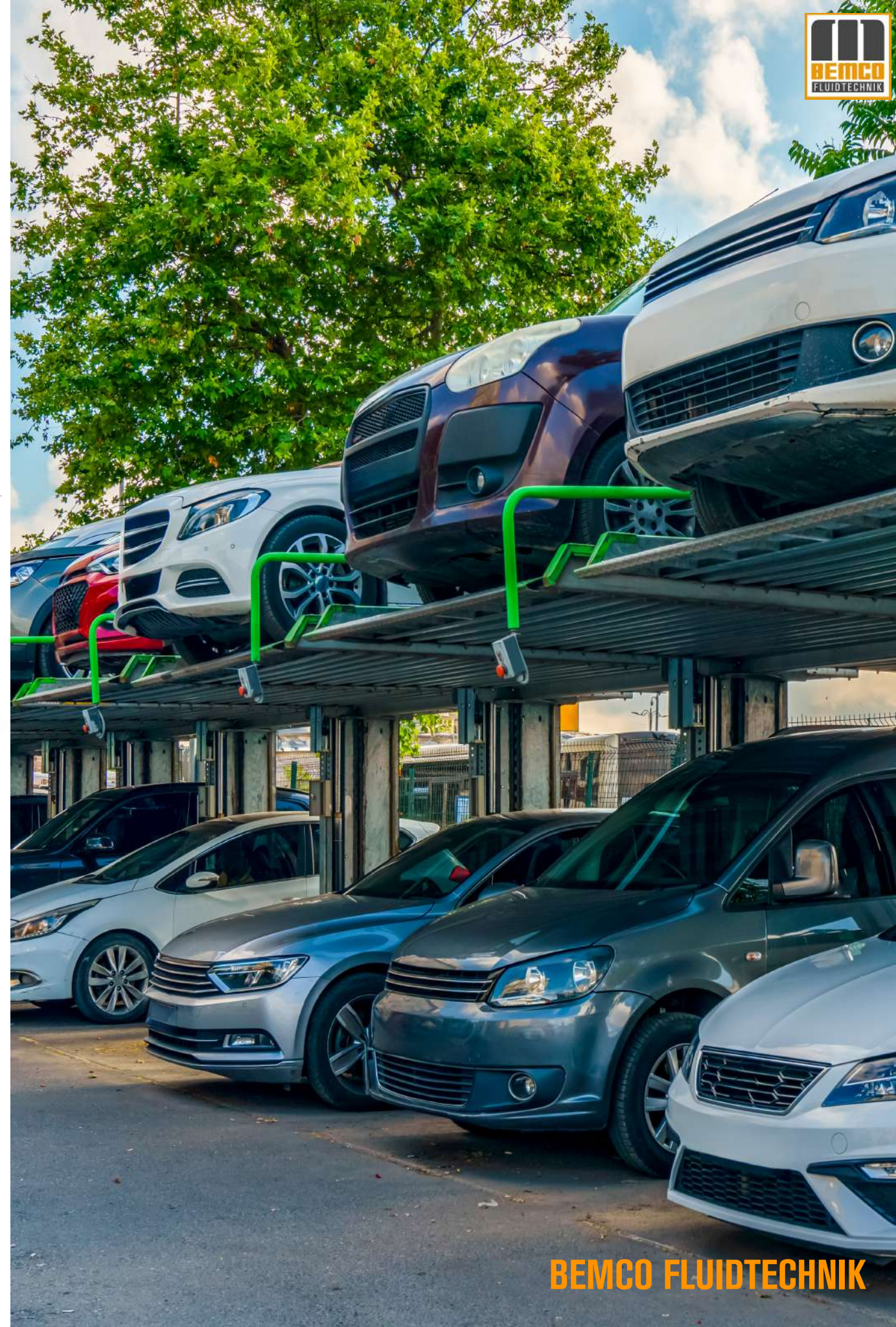
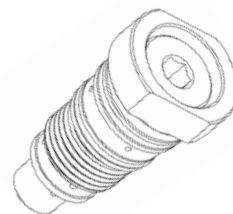


Lowering Valve - Pr. Compensated

Type	Max Flow	Max Pressure	Document
LCV 3/8"	30 lpm	210 kgf/cm ²	f3.0/LCV/R0
LCV 1/2"			
LCV 3/4"			

Check Valve - Pilot Operated

Type	Max Flow	Max Pressure	Document
PCV 5	20 lpm	700 kgf/cm ²	f3.0/PCV2x/R0

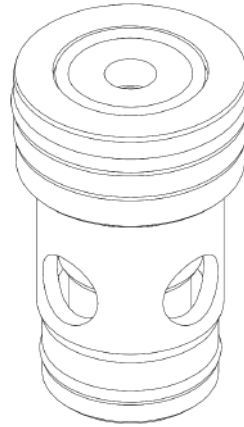


product overview

Cartridge Valves

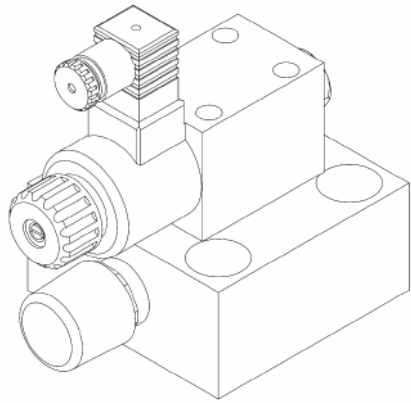
Logic Cartridges

Type	Function	Size	Document
FLC	Direction	NG 40 to 125	f3.0/FLC/R0
FLCD	Relief		
FLCV	Check		



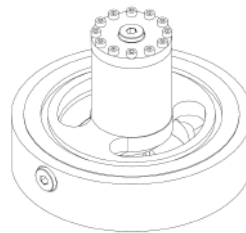
Logic Covers

Type	Function	Sizes	Document
FLA...D	Standard	NG 40 to 125	f3.0/FLA/R0
FLA...DB	Relief		
FLA...DBW	Relief cum Unload		
FLA...WEM	DC Valve		
FLA...G	Shuttle		
FLA...GW	Shuttle with DC Valve		
FLA...H	Stroke Limiter		



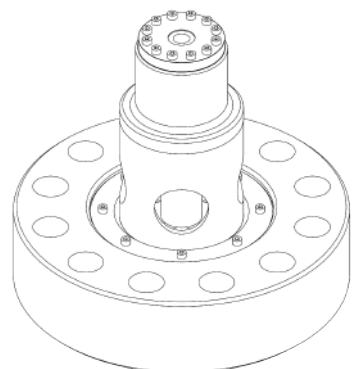
Pre-fill Exhaust Valves - Sandwich

Type	Sizes	Max Pressure	Document
FPV	NG 50 - 400	315 kgf/cm ²	f3.0/FPV2x/R0



Pre-fill Exhaust Valve - Flange & Tank

Type	Sizes	Max Pressure	Document
PVF (Flange)	NG 63 - 200	315 kgf/cm ²	f3.0/PVF1x/R0
PVT (Tank)	NG 63 - 200		f3.0/PVT1x/R0

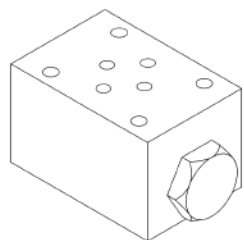
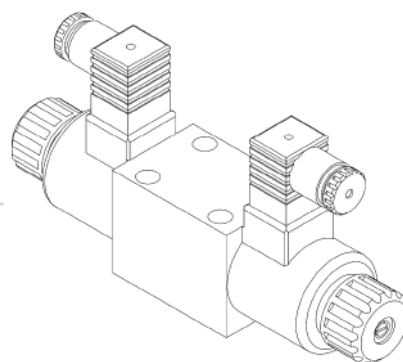


product overview

Valves & Accessories

Direction Valves - CETOP 3

Type	Max Flow	Max Pressure	Document
F4WE6	45 lpm	420 kgf/cm ²	f3.0/F4WE61x/R0

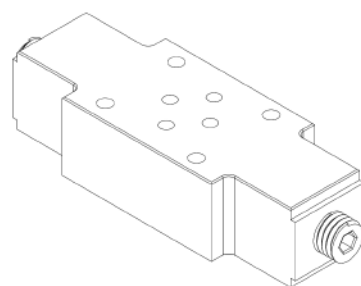


Pilot Check Valve - CETOP 3

Type	Max Flow	Max Pressure	Document
FZ2S6	30 lpm	420 kgf/cm ²	f3.0/FZ2S61x/R0

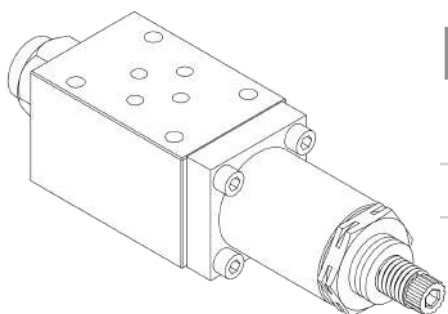
Flow Control Valve - CETOP 3

Type	Max Flow	Max Pressure	Document
FZ2FS6	30 lpm	420 kgf/cm ²	f3.0/FZ2FS61x/R0



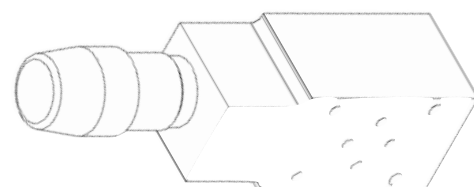
Pressure Reducing Valve - CETOP 3

Type	Max Flow	Max Pressure	Document
FZDR6-DP	30 lpm	315 kgf/cm ²	f3.0/FZDR6/R0
FZDR6-DA			



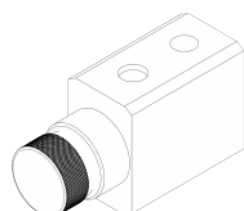
Pressure Relief Valve - CETOP 3

Type	Max Flow	Max Pressure	Document
FZDB6	30 lpm	315 kgf/cm ²	f3.0/FZDR6/R0



Gauge Isolator

Type	Actuation	Max Pressure	Document
PGI	Manual/ Push	315 kgf/cm ²	f3.0/PGI2x/R0

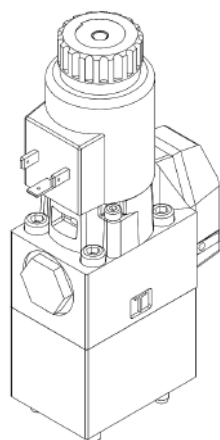
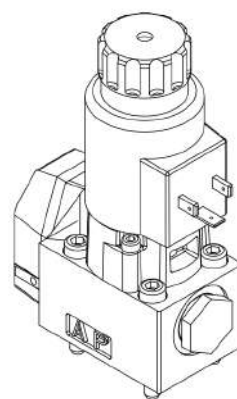


product overview

Valves & Accessories

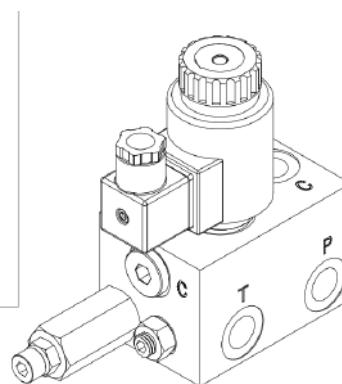
DC Valves - 3/2 Type - 700bar

Type	Max Flow	Max Pressure	Document
FM3SEW-C	20 lpm	700 kgf/cm ²	f3.0/FM3/R0
FM3SEW-U			



DC Valves - 4/2 Type - 700bar

Type	Max Flow	Max Pressure	Document
FM4SEW-D	20 lpm	700 kgf/cm ²	f3.0/FM4/R0



Lift-Lower Block

Type	Max Flow	Max Pressure	Document
FLLB - 20	16 lpm	160 kgf/cm ²	f3.0/FLLB2x/R0

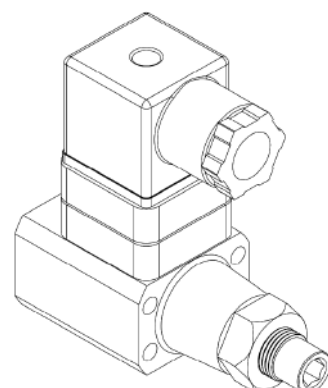


Accumulator - Diaphragm Type

Type	Size	Max Pressure	Document
FAD 1.0	1.0 ltr	140 kgf/cm ²	f3.0/FAD/R1
FAD 1.5	1.5 ltr		

Pressure Switch

Type	Mounting	Pressure Range	Document
PSB	4-bolt	20-700 kgf/cm ²	f3.0/PSB2x/R0
PSR	2-bolt	20-400 kgf/cm ²	
PST	Line (1/4" BSP)		

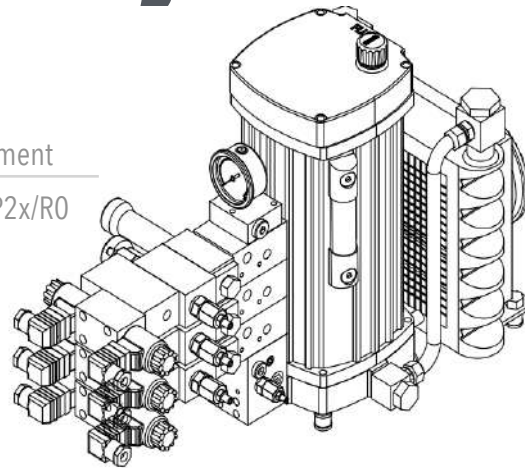


product overview

Power-units & Systems

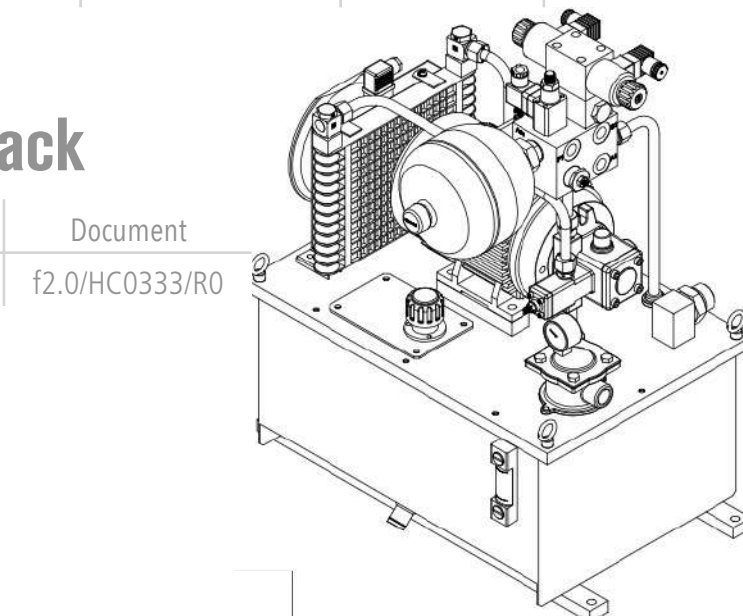
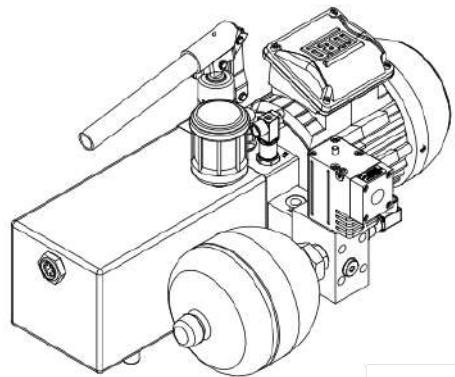
Oil Immersed Power-Unit

Type	Max Flow	Max Pressure	Document
CP3	10.4 LPM	700 kgf/cm ²	f3.0/CP2x/R0



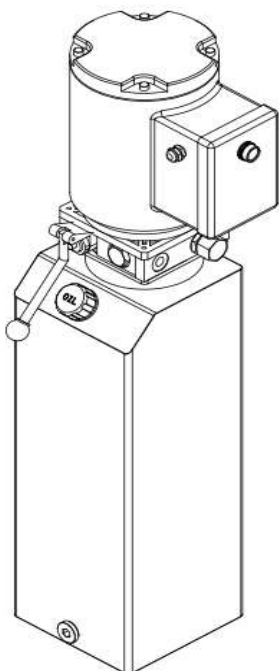
Compact Power-unit

Type	Flow	Max Pressure	Document
CHPU - SA	10 lpm	200 kgf/cm ²	f3.0/CHPU/R0
CHPU - DA			



Machine Tool Power-pack

Type	Flow	Max Pressure	Document
Turning Center	11 lpm	70 kgf/cm ²	f2.0/HC0333/R0



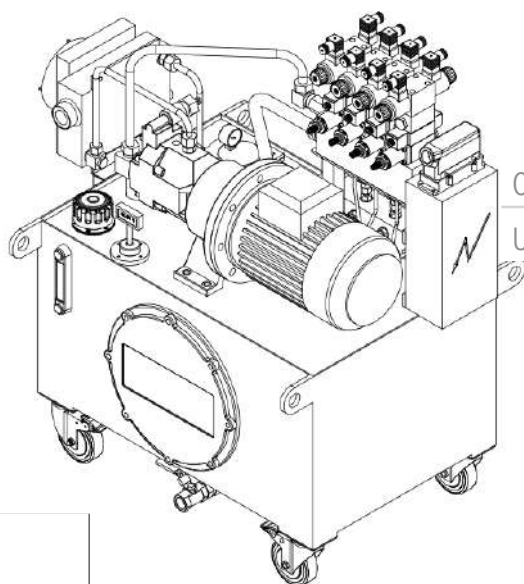
Car Lift/ Garage Power-pack

Type	Flow	Max Pressure	Document
Car Lift PU	6 lpm	200 kgf/cm ²	f2.0/HC0328/R0



product overview

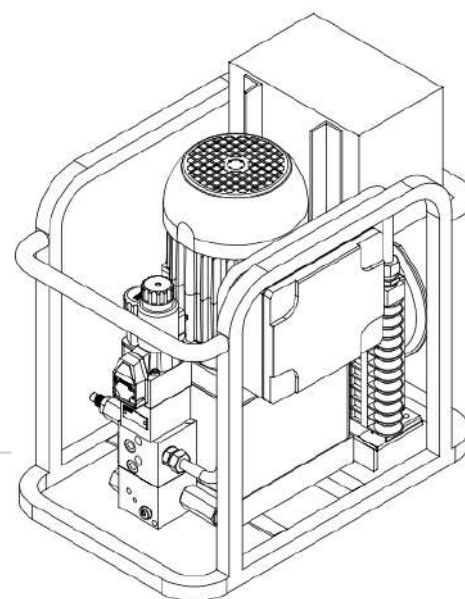
Power-units & Systems



Oil Tank	Max Flow	Max Pressure	Others
Upto 500 LTS	100 LPM	700 kgf/cm ²	With Control Panel

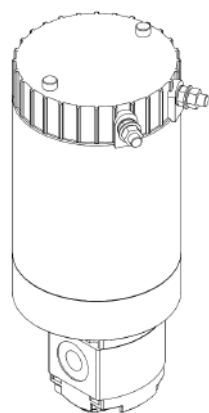
Torque Wrench Pump

Type	Pump	Max Pressure	Document
FTW-EXT	2-stage	700 kgf/cm ²	f3.0/FTWEXT2x/R0



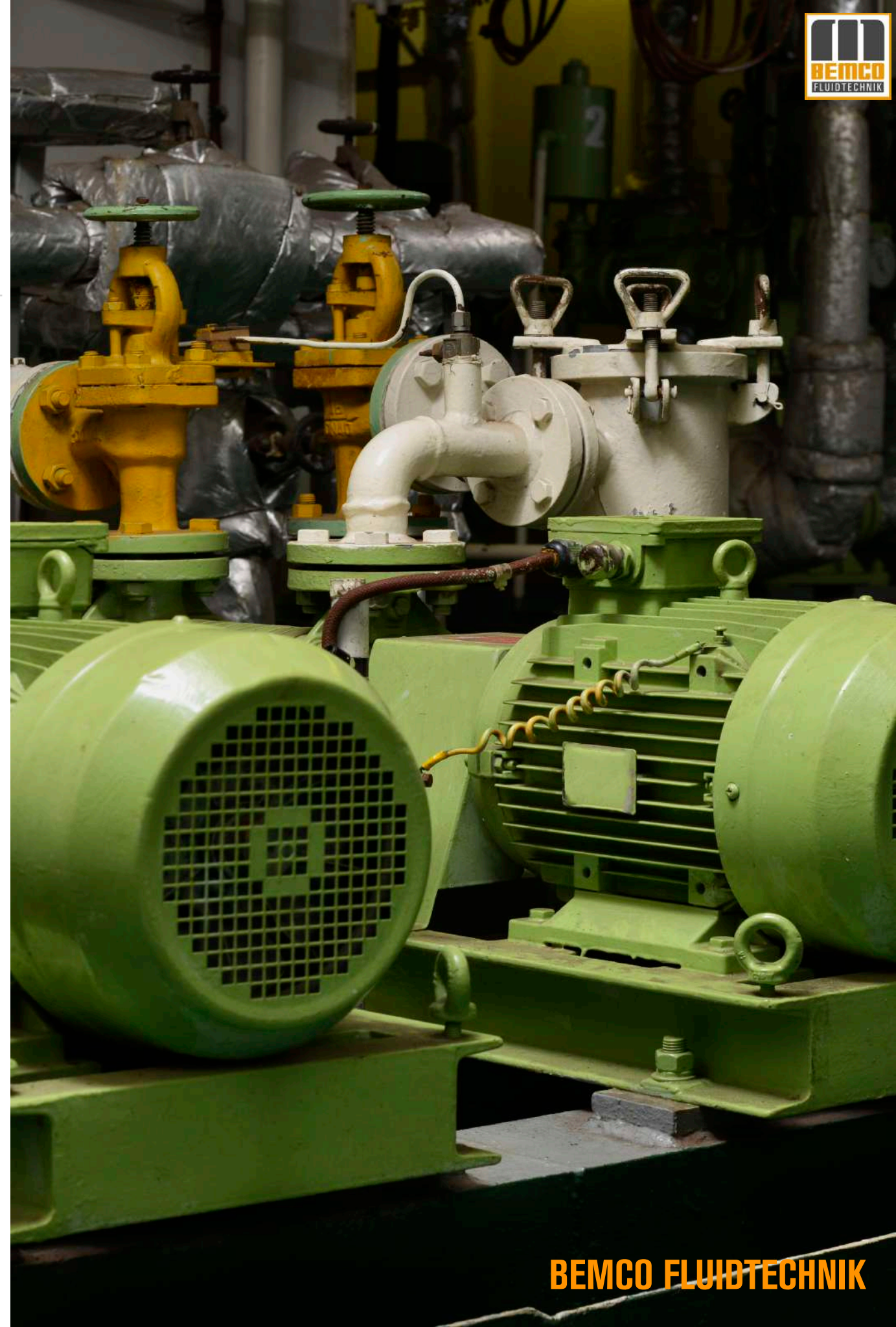
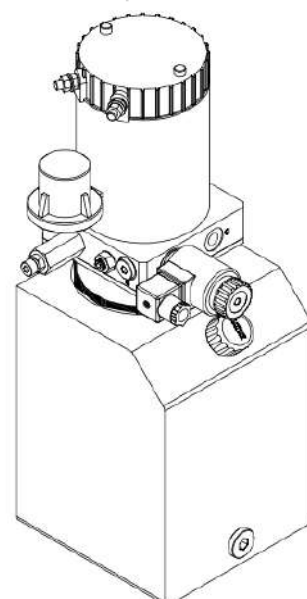
DC Pump-Motor

Type	Voltage	Max Pressure	Document
DC PM	12 VDC	200 kgf/cm ²	f3.0/DCPM/R0
DC PM	24 VDC		



DC Power-pack - PT/ SA/ DA

Type	Voltage	Max Pressure	Document
FDC - PT	12/ 24 VDC	200 kgf/cm ²	f3.0/FDC2x/R0
FDC - SA	12/ 24 VDC		
FDC - DA	12/ 24 VDC		

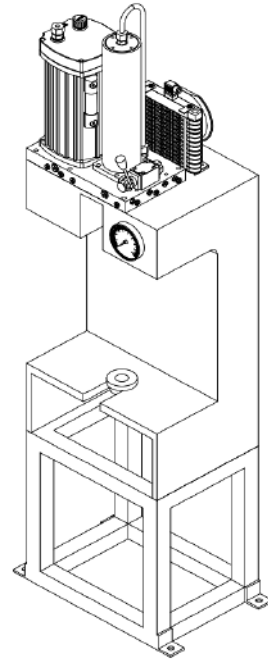


product overview

Power-units & Systems

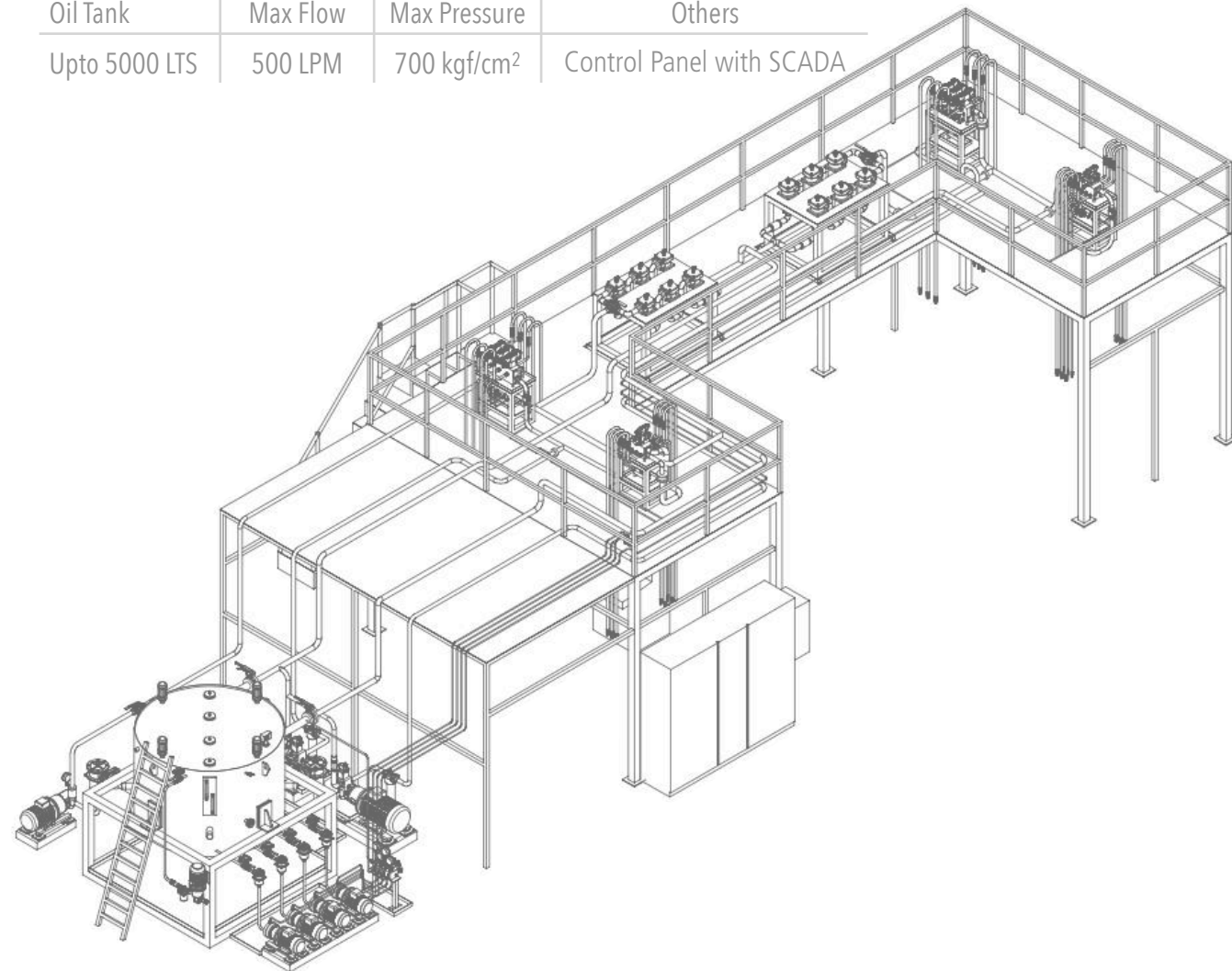
X! Press - the Compact Press

Type	Tonnage	Day Light - Stroke	Document
XPS 5	5 T	300 - 650 mm	f3.0/X!Press2x/R0
XPS 10	10 T	300 - 650 mm	



Custom Projects, Hydraulic Systems & Test Rigs

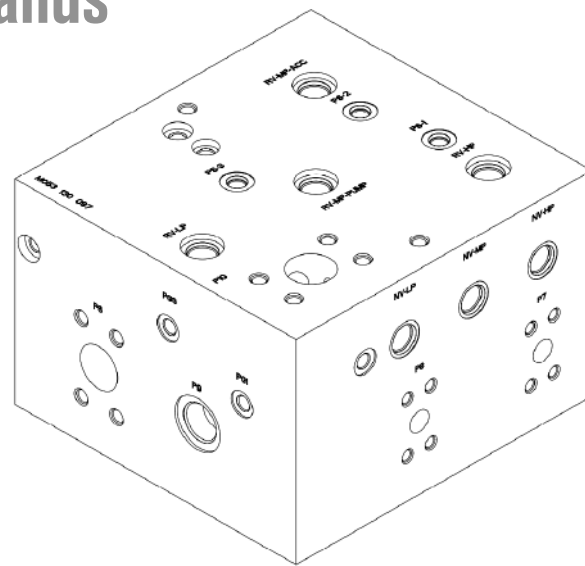
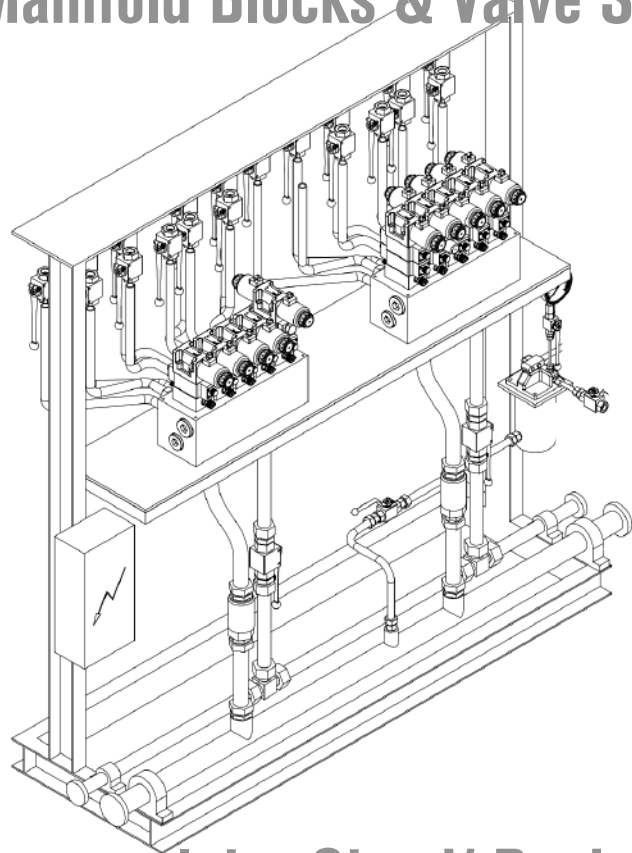
Oil Tank	Max Flow	Max Pressure	Others
Upto 5000 LTS	500 LPM	700 kgf/cm ²	Control Panel with SCADA



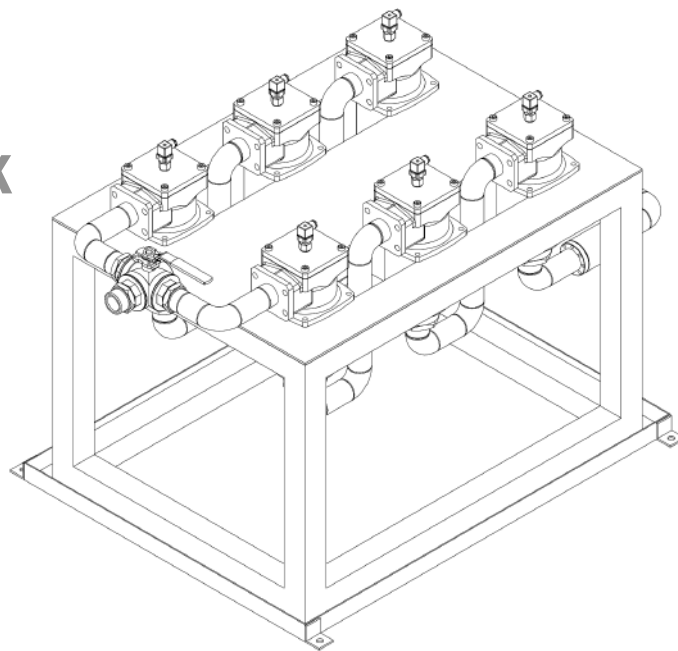
product overview

Power-units & Systems

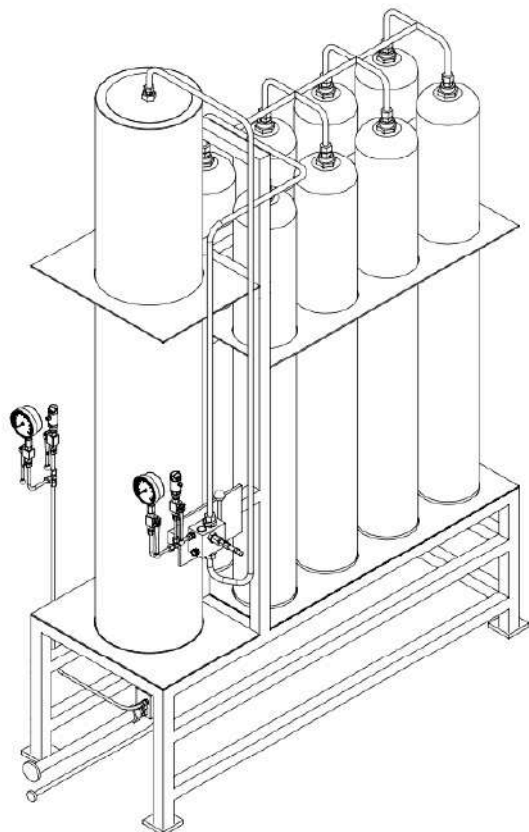
Manifold Blocks & Valve Stands



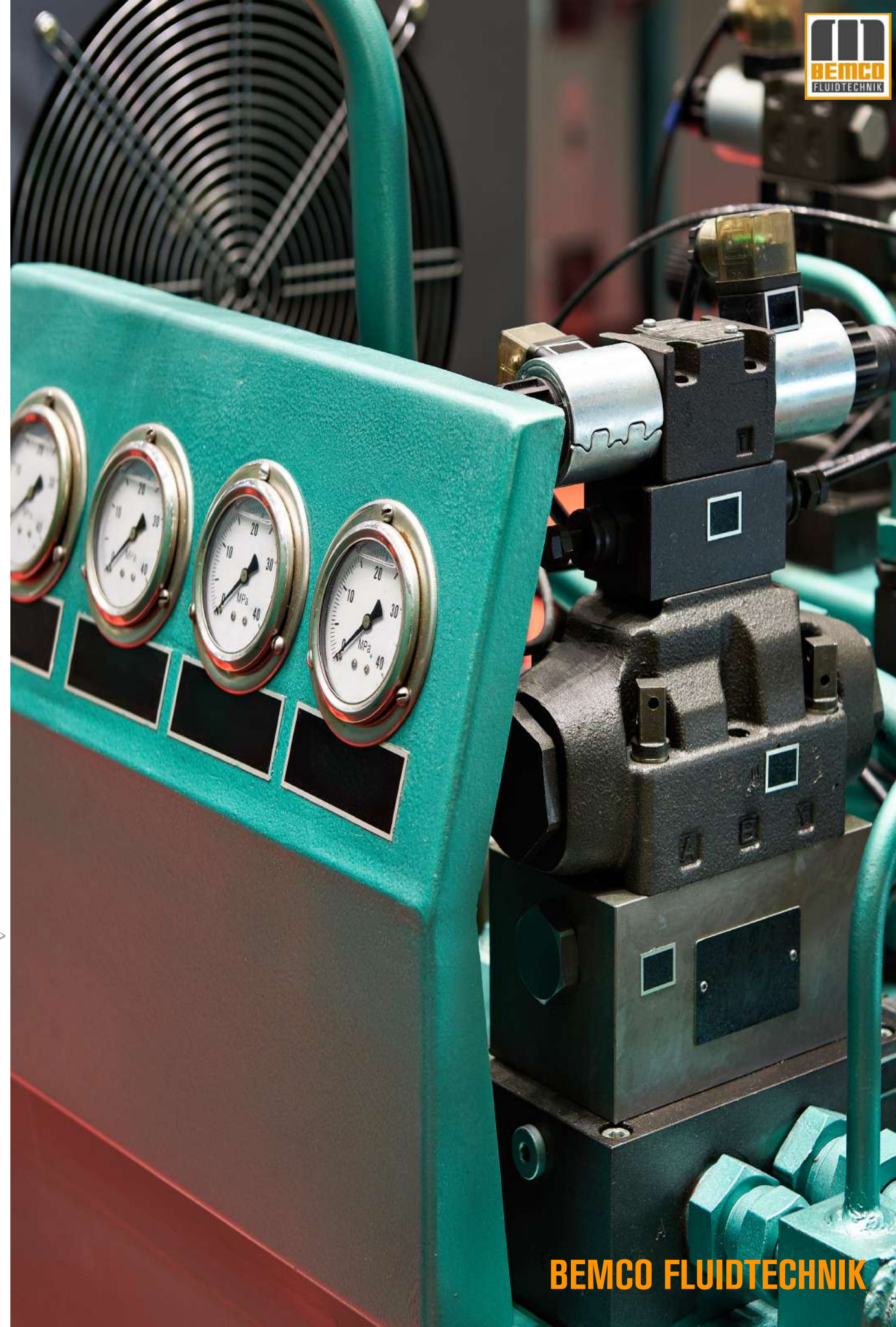
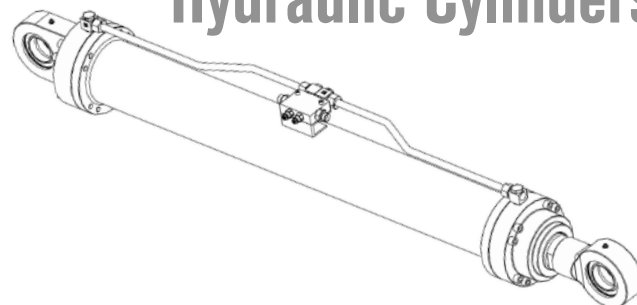
Filter Stands



Accumulator Stand/ Bank



Hydraulic Cylinders



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