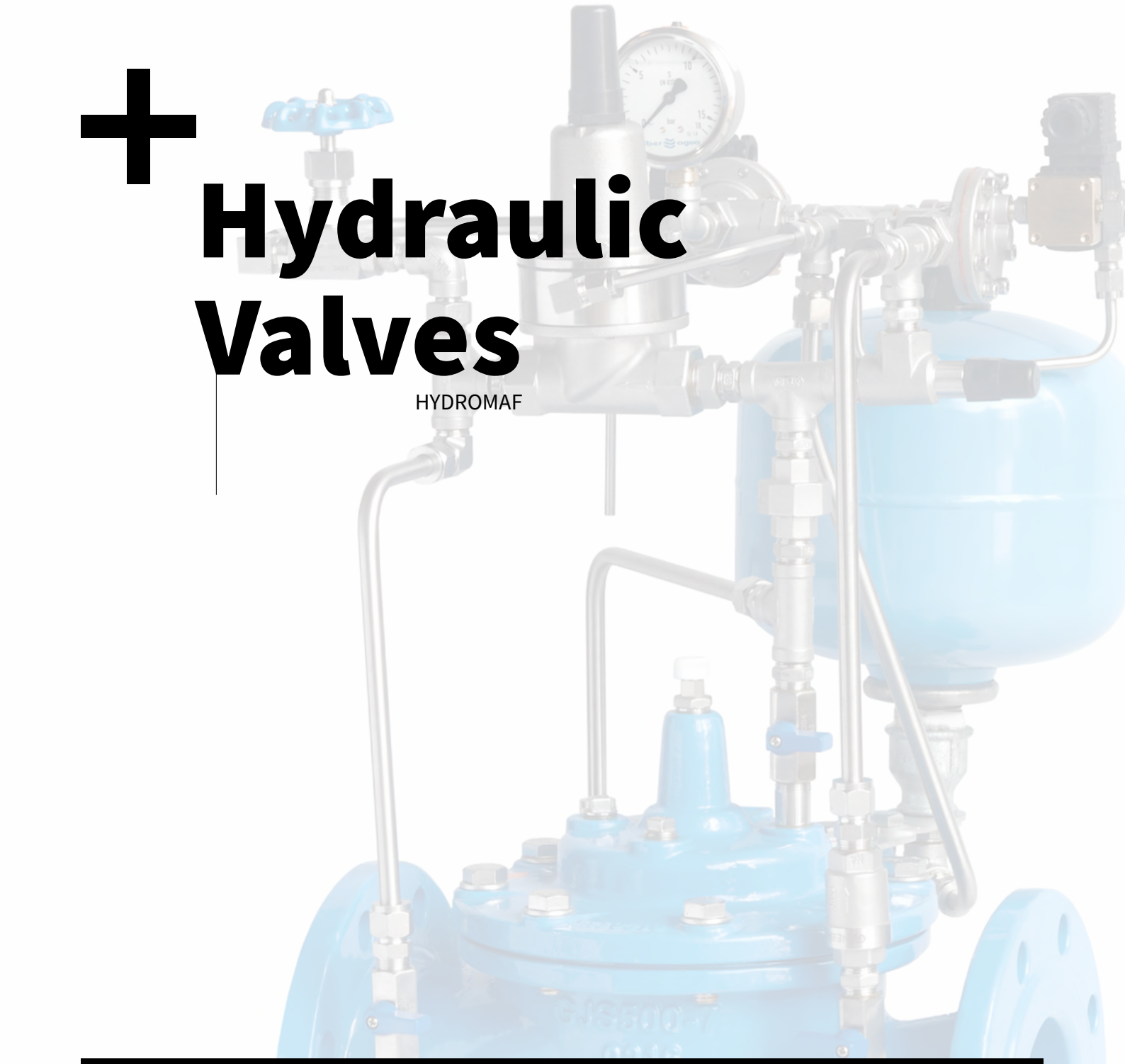
PN 10/16/25 Atm
DN 50/600 mm

Hydraulic Valves

HYDROMAF



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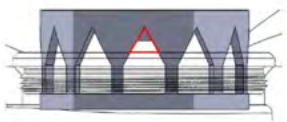
Piston closing valves Hydromaf

Features

- High precision valves with adjustable springs to the ranges, capable of operating from 0.5 bar up to PN 25.
- Wide working range making them ideal for regulating flow rates and pressures.
- Withstand high closing speeds, allowing for pressure variations of 4:1, or even higher at non-zero outlet pressures.
- Simple handling and regulation.
- Very low maintenance.

Components and materials

- All key elements in regulation are made of stainless steel to minimize adhesion and prevent cavitation damage.
- Bodies available in ductile iron and stainless steel for industrial applications.
- All piloting components, including the strainer, mini valves, needle valve, pilot, solenoids and other fittings, are entirely made of stainless steel to facilitate proper maintenance throughout the valve's lifetime, prevent adhesion, and avoid degradation due to galvanic corrosion.
- Option for an anti-limescale device with proven effectiveness, applied in the control circuits of the valves. NEW.



Spare parts and stock

- Valves in stock for 24-hour supply up to DN 300 of any model.
- Stock of V-Port anti-cavitation kits.
- Stock of 100% of parts for immediate spare supply for all models 24h/365 days a year.

Valve configuration

Main selection

- Material
- Main function
- Seat material
- Body
- Diameter
- Drill

Aditional selection

- Aditional function
- Solenoid type

Code	Material
VH	Standard hydraulic
VI	Stainless steel body

Code	Main function
0	Basic valve
100	Single-level float (modulating)
106	Single-level float (electric)
120	Double-level float
126	Double-level float (electric)
200	2W Pressure reducing valve
206	2W Pressure reducing valve with solenoid
210	Pressure reducing valve and level control
220	Double pressure reduction
226	Double pressure reduction with day/night solenoid selection
230	Pressure reducing valve and non-return valve
250	Pressure reducing and holding valve
260	Pressure reducing and solenoid valve
300	Check valve
400	Flow limiter
410	Flow limiter and level control
420	Flow limiter and pressure reducing valve
430	Flow limiter and non-return valve
440	Overspeed valve
450	Flow limiter and holding valve
460	Flow limiter and solenoid valve
500	Holding / relief valve
510	Holding and level control valve
520	Holding and pressure reducing valve
560	Holding and solenoid valve
600	Solenoid valve
660	Solenoid valve with dual solenoid regulation
700	Pump control valve
750	Surge anticipator
800	Differential pressure holding valve
900	Double chamber valve

Code	Seat material
I	Stainless steel

Code	Diameter
50	DN 50
65	DN 65
80	DN 80
100	DN 100
125	DN 125
150	DN 150
200	DN 200
250	DN 250
300	DN 300
350	DN 350
400	DN 400
450	DN 450
500	DN 500
600	DN 600

* Ask for other diameters

Code	Body type
	Full bore
R	Reduced bore
X	Double chamber

Code	Flange drill
	Full bore
R	Reduced bore
X	Double chamber

Code	Aditional function
	None
01	Opening speed regulator
CLD	Very slow closing
02	Opening and closing speed regulation
ACK	Antiscale kit pilot
03	Position indicator display
04	Electrical limit switch - mechanical 1 position
05	Electrical limit switch - mechanical 2 positions
06	Position sensor contact - 1 level
07	Position sensor contact - 2 levels
08	Shaft position indicator
09	Independent control circuit
10	External pilot filter
11	High capacity pilot filter
PN16	PN16 standard components
PN25	PN25 standard components
12	Bleeder
13	Solenoid operation by polarity reversal
14	Setpoint change due to high flow
15	Volumetric function using programmer
16	Special function - low pressure, high sensitivity
17	Bidirectional flow
18	Opening limiter
ACS	V-port anti-cavitation system
19	Manual chamber purging
20	Direct action bypass pilot for pressure reducer
21	Mechanical opening limiter
22	Calibrated orifice plate
23	Motorized pilot
24	4-way valve with manual operation
25	Full opening by solenoid

Code	Solenoid type	Code	Solenoid type
01	9 VDC LATCH BRASS PN 10	14	24 VAC NO PN 10 BRASS
02	9 VDC LATCH BRASS PN 20	15	24 VAC NC PN 10 BRASS
03	12 VDC LATCH BRASS PN 12	16	24 VAC NO PN 16 BRASS
04	12 VDC LATCH BRASSPN 16	17	24 VAC NC PN 16 BRASS
05	12 VDC NO PN 10 BRASS	18	24 VAC NO PN 30 BRASS
06	12 VDC NC PN 10 BRASS	19	24 VAC NC PN 21 BRASS
07	12 VDC NO PN 16 BRASS	20	230 VAC NO PN 10 BRASS
08	12 VDC NC PN 16 BRASS	21	230 VAC NC PN 10 BRASS
09	12 VDC NO PN 21 BRASS	22	24 VAC NO PN 10 INOX
10	24 VDC NO PN 10 BRASS	23	24 VAC NC PN 10 INOX
11	24 VDC NC PN 10 BRASS	24	24 VAC NC PN 16 INOX
12	24 VDC NO PN 16 BRASS	25	9 VDC LATCH INOX PN 10
13	24 VDC NC PN 16 BRASS	26	24 VDC LATCH INOX PN 16

Diaphragm shut-off valves Hydromaf Series D

Features

- Entire casting surface is coated with melted epoxy paint to ensure corrosion resistance.
- Easy maintenance without the need to dismantle the valve from the pipeline.
- Nylon-reinforced diaphragm for long service life.
- Diaphragm seat and closure base firm and precise, ensuring tight sealing.
- Bodies made of ductile iron designed for high pressures, increased strength, and durability.
- Ability to incorporate a wide range of accessories and pilots for configuring multiple models and setups.

Components and materials

- Diaphragm-based closing and regulation system.
- Full epoxy coating on the valve to ensure durability.
- Quality standards applied similar to the piston closure range.
- Stainless steel pilots and components.
- Economical design in PN10 with plastic tubing and pilots.
- High-strength diaphragm.

Technical service and maintenance

- Technical service available for standard model assembly, as well as combinations and specific models tailored to customer needs, including on-site visits for maintenance and restoration work when necessary.
- Permanent stock of spare parts.
- Telephone support from our technicians to operators for valve adjustment and verification.
- Option for commissioning of supplied valves.
- Ability to modify pilots on-site.
- Pilot maintenance without service interruption.
- Option to enter into a maintenance contract.
- We notify in advance the need for valve maintenance and the type of maintenance required, facilitating planning.

Special solutions

Special solutions for super slow closures, progressive closures, setpoint changes based on flow, diverse pressures, etc., with smartphone control capabilities.

Manteinance workshops

We offer training courses for maintenance, design, regulation, and tuning of hydraulic valves, including bench testing regulation and simulation of network problems.

Main brands

Ability to service major brands such as HYDROMAF, ROSS, RAMUS, BAYARD, Cla-Val, BERMAD, DOROT, etc., with availability of spare parts including pilots, solenoids, and components from other manufacturers.

Main water companies

We collaborate with leading water companies such as Hidraqua, Aguas de Valencia, Aqlara, Acciona Agua, Aqualia, as well as mixed services and numerous municipalities and irrigation communities.

Valve restoration

We consider that a minimal investment in maintenance ensures proper functioning and minimizes conservation costs for valves. Therefore, we offer technical services where on-site issues are studied, and tailored solutions are designed for each case. Additionally, we specialize in the restoration of historical valves.

Restoration of an overspeed valve

Restoration of a relief valve

Restoration of a DN1000 gate valve