



INSTALLATION OF WATER SYSTEM
SUPPORT SERVICE
SALE OF SPARE PARTS

AQMATIC HYDROPNEUMATIC VALVES

V42

GENERAL FEATURES

Standard valves are normally open. Body and cap are of cast iron. Preformed stress-relieved diaphragm of Nitrile (Buna N) on Polyamide, and static seals are Nitrile, stainless steel and brass internal parts. Pipe sizes are 3/4 to 3-inch threaded (B.S.P.); 3-inch through 6-inch flanged drilled in accordance with ASA 16.1 class 125, or BSP 4504.

TECHNICAL SHEET:

- Maximum operating temperature: _____ 150°F (65°C)
- Option for Hot water applications: _____ 250°F (120°C)
- Working Pressure: _____ 125 PSI (8.6 bar)
- Flow rates: _____ see diagram

PRODUCT SPECIFICATIONS:

- External material: _____ Cast iron
- Internal parts: _____ Stainless steel and brass
- Threaded pipe size: _____ 3/4" - 1" - 1 1/4" - 1 1/2" - 2" - 2 1/2" - 3"
- Flanged pipe size: _____ 3" - 4" - 6"

APPLICATIONS:

- Water treatment process systems
- Agricultural Irrigation
- Fuel Handling
- Cooling Towers
- Level Control Systems
- Car Wash Systems
- Vacuum Control
- Machine Hydraulic
- Cooling Control
- Centrifugal Separators

For other applications please contact HYTEK technical office

OPTIONS:

- Hot Water optional seal and diaphragm materials for special application, stainless steel internal parts.
- Normally closed
- Spring assist closed
- Spring assist open
- Limit stop

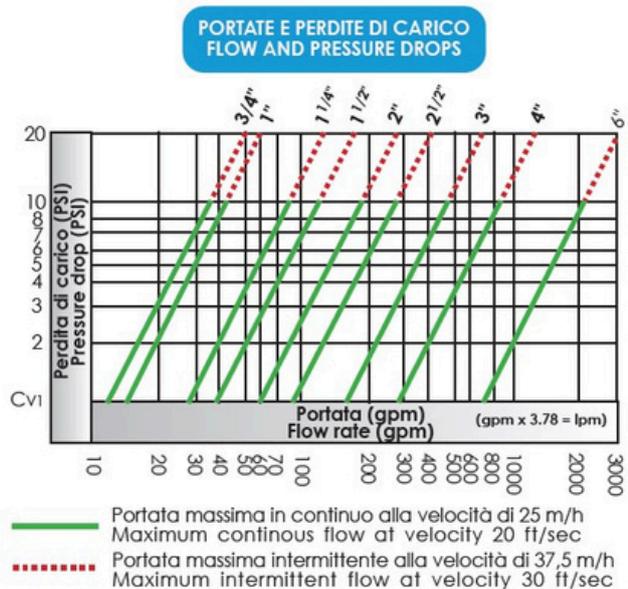
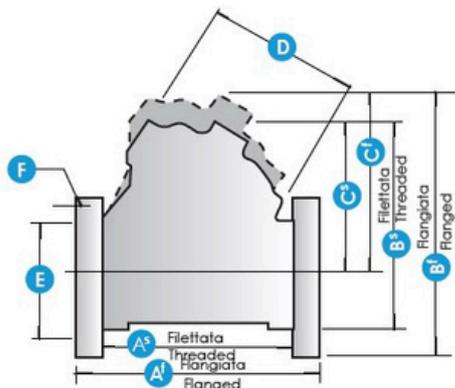


Attacco Pipe size	Cv3	Unità Unit	As	Af	Bs	Bf	Cs	Cf	D	E(1)	F(2)	
Filettate / Threaded	3/4"	11.4	in.	3.69		4.25		3.75		2.75		
	1"	12.8	mm	94		108		95		70		
	1-1/4"	26.5	in.	4.75		5.37		4.00		3.50		
	1-1/2"	32.5	mm	121		137		102		89		
	2"	56	in.	6.62		7.25		5.37		4.87		
			mm	168		184		137		124		
	2-1/2"	84	mm	187		203		146		140		
Flangiata / Flanged	3"	134	in. mm		10.62 270		10.75 273		7.00 178	7.25 184	6.00 152	0.75 19
	4"	275	in. mm		11.75 298		14.75 375		10.00 254	8.75 222	7.50 191	0.75 19
	6"	680	in. mm		17.00 432		19.00 483		13.50 343	15.75 402	9.50 241	0.87 2

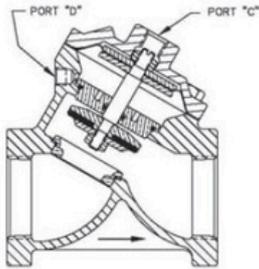
(1) Distanza fori
(1) Bolt circle diameter

(2) Diametro fori
(2) Bolt hole diameter

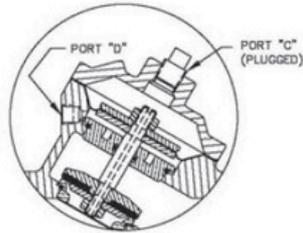
(3) CV = Portata in gpm d' acqua a 24°C con 0,07 di DP
(3) CV = Flow rate in gpm of water at 60°F @ 1 psi pressure drop



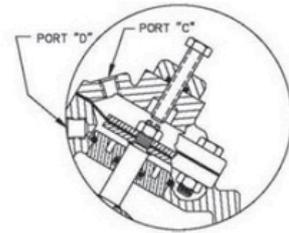
**NORMALMENTE APERTA
NORMALLY OPEN**



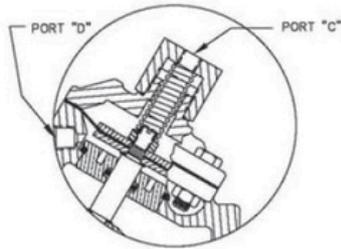
**NORMALMENTE CHIUSA
NORMALLY CLOSED**



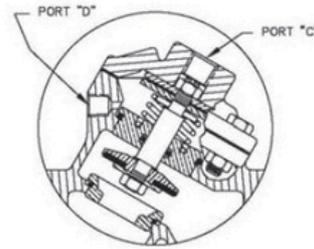
**LIMITATORE DI PORTATA
LIMIT STOP**



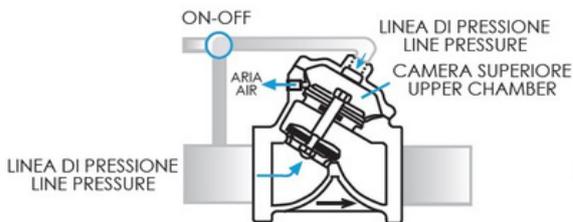
**MOLLA ASSISTENZA ALLA CHIUSURA
SPRING ASSIST CLOSED**



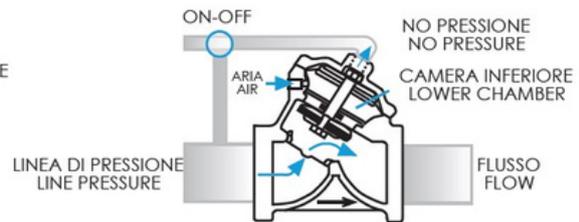
**MOLLA ASSISTENZA ALL' APERTURA
SPRING ASSIST OPEN**

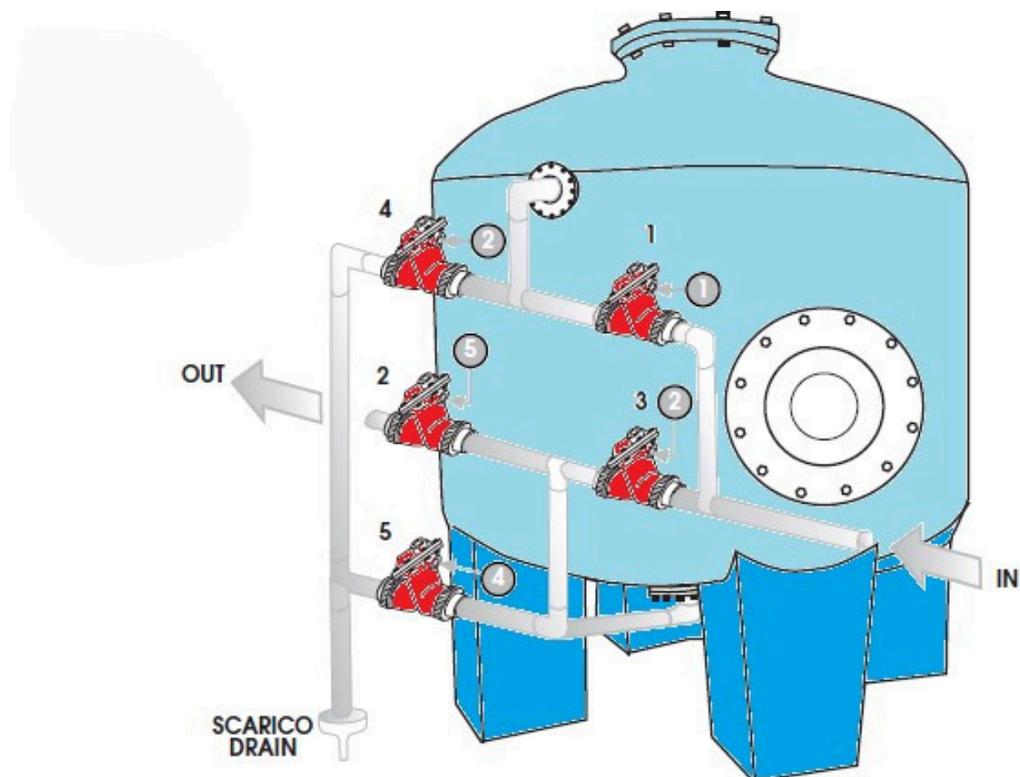


**VALVOLA CHIUSA
VALVE CLOSE**



**VALVOLA APERTA
VALVE OPEN**





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