



## AQMATIC HYDROPNEUMATIC VALVES

### K52

#### GENERAL FEATURES

AquaMatic® series K520 composite valves are designed to handle deionized water as well as acids, caustic harsh chemicals or gases that would rapidly corrode metal valves. The valves are constructed of corrosion-resistant materials, but still have all of the advantages of unparalleled AquaMatic® metal body valve design, along with their own design advantages.

The K520 series valve body and cap are molded with glass-filled Noryl thermoplastic.

#### TECHNICAL SHEET:

- Maximum operating temperature: \_\_\_\_\_ 140°F (60°C)
- Working Pressure: \_\_\_\_\_ 125 PSI (8.6 bar)
- Flow rates: \_\_\_\_\_ see diagram

#### PRODUCT SPECIFICATIONS:

- External material: \_\_\_\_\_ Noryl
- Internal parts: \_\_\_\_\_ Noryl
- Pipe size with connectors: \_\_\_\_\_ 1/2" - 1" - 1 1/2" - 2" - 2 1/2" - 3"
- Flanged pipe size: \_\_\_\_\_ 2" - 2 1/2" - 3"

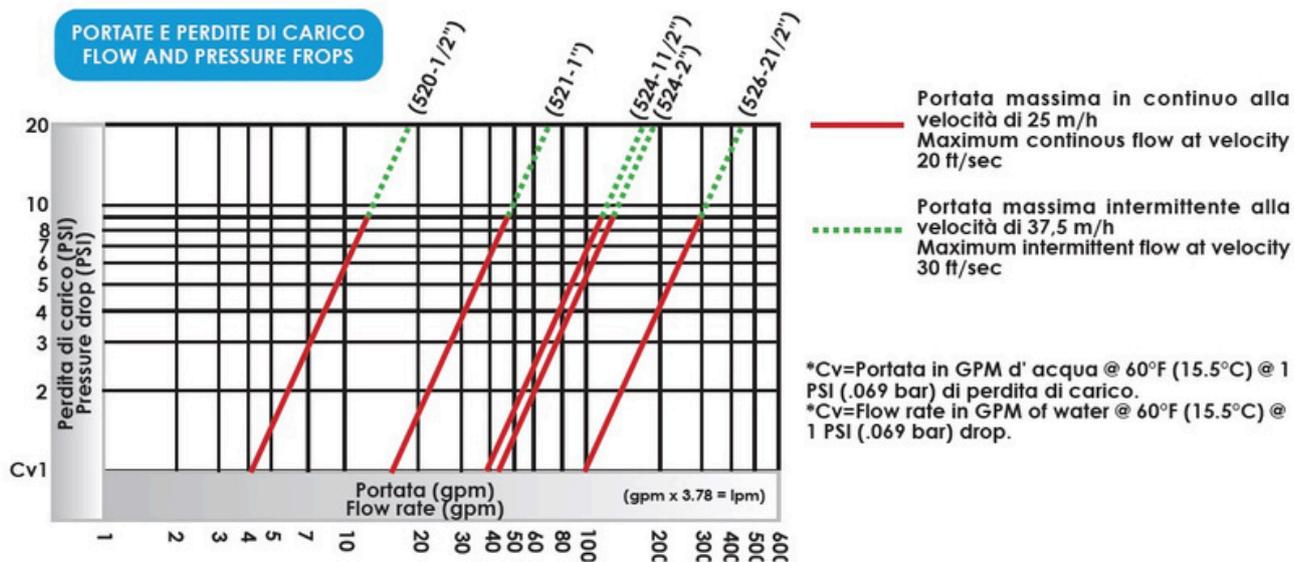
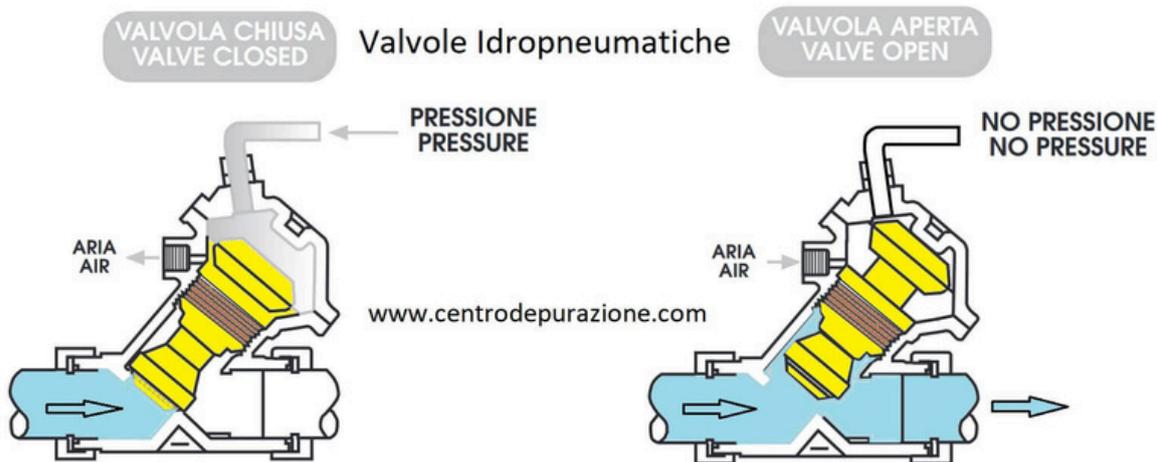
#### APPLICATIONS:

- Water treatment process systems
- Deionizers
- Chemical Injection
- Desalinization
- Evaporation
- Metal Recovery Systems
- Level Control Systems
- Fertilizer Spray Equipments
- Electronic Industry
- Detergent and Bleach Handling

For other applications please contact Hitek technical office

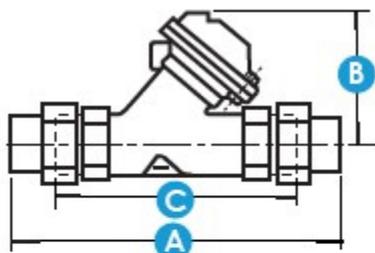
#### OPTIONS:

- Normally closed
- Spring assist closed
- Spring assist open
- Limit stop





Valvola con connettori finali  
Valve With Union End Connectors



Modello Series	Unità Units	A	B	C
K520	inches	7.00	2.62	4.87
	mm	177.8	68.5	123.7
K521	inches	9.00	4.06	6.31
	mm	228.6	10.31	160.3
K524	inches	12.50	5.06	9.31
	mm	317.5	128.5	235





107106 (K21-L-2010-44000)  
LIMIT STOP  
(USED WITH NORMALLY CLOSED VALVES ONLY) (OP. NPT)

107148 (K21-L-2021-44000)  
POSITION INDICATOR

107159 (K21-L-2010-44000)  
NORMALLY CLOSED

107161 (K21-L-2021-44000)  
SPRING ASSIST CLOSED

**NOTE:** POSITION INDICATOR MODELS CANNOT BE OPERATED NORMALLY CLOSED OR LIMIT STOP OPTION. POSITION INDICATOR MODELS FLUSH/SHED WITH SPRING ASSIST OPEN OPTION.

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
17	1	107106 B	O-RING 2.012 INTRILE
18	1	107107 1	O-RING 2.018 INTRILE
19	1	107008 B	LIMIT STOP SCREW SS
20	1	107007 7	LIMIT STOP NUT SS
21	1	43724	CAP. 22 L. LIMIT STOP
NORMALLY CLOSED MODEL			
22	1	107191 2	MALE NPT PLUGS
23	1	107009 B	SHAFT. 221
24	1	107020 B	SCREW. 221. DIA. FLT. NC
25	1	107002 2	WASHER. LOCK INTERNAL. #10. 95
SPRING ASSIST CLOSED MODEL			
26	1	107005 T	SPRING COMPRESSOR
SPRING ASSIST OPEN MODEL			
27	1	5320716	SPRING COMPRESSION
POSITION INDICATOR MODEL			
28	1	107002 2	WASHER. LOCK INTERNAL. #10. 95
29	1	107107 1	O-RING 2.018 INTRILE
30	1	107107 7	O-RING 2.001 INTRILE
31	1	107191 1	SHAFT. POSITION INDICATOR. 221
32	1	107107 1	PLUG. GUIDE HOUSING. 220
33	1	107008 B	GUIDE HOUSING
34	1	107002 2	ROD. POS. INDICATOR. (221)
35	1	107002 2	SCREW. 221. DIA. FLT. PI
36	1	107006 D	ERINGS
37	1	43724	CAP. 22 L. PI

SEE FORM 107142 FOR UNION END CONNECTORS AND GROOVED ADAPTERS  
SEE SHEET 1 FOR STANDARD NORMALLY OPEN MODEL

DESCRIPTION	PART NO.
CONNECTION KIT	
N.T. PARTS KIT (LIMIT STOP) C. 1 ITEM NO. ST. TRHU. 21	1071000 (K21-L-501)
N.T. PARTS KIT (NORM. CLOSED) C. 1 ITEM NO. ST. TRHU. 21	1071004 (K21-L-501)
N.T. PARTS KIT (SPRING ASSIST) C. 1 ITEM NO. ST. TRHU. 21	1071005 (K21-L-501)
N.T. PARTS KIT (NORM. OPEN) C. 1 ITEM NO. ST. TRHU. 21	1071006 (K21-L-501)
N.T. PARTS KIT (POS. INDICATOR) C. 1 ITEM NO. ST. TRHU. 21	1071007 (K21-L-501)

DESCRIPTION	PART NO.
N.T. PARTS KIT (LIMIT STOP) C. 1 ITEM NO. ST. TRHU. 21	1071000 (K21-L-501)
N.T. PARTS KIT (NORM. CLOSED) C. 1 ITEM NO. ST. TRHU. 21	1071004 (K21-L-501)
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N.T. PARTS KIT (POS. INDICATOR) C. 1 ITEM NO. ST. TRHU. 21	1071007 (K21-L-501)

ZONE	REV.	DESCRIPTION	DATE	APP.
		SEE SHEET 1 FOR LIST OF CHANGES		

DATE: 08/23/13	APP.:	DATE:	APP.:
DESIGNER:	HE:	DATE:	APP.:
CHECKER:	HE:	DATE:	APP.:

**noMetric** AQ Metric  
Valves & Control Company Inc.

CATALOG SHEET: 021  
DIAPHRAGM VALVE STANDARD MODEL  
REV. B  
BR1077654  
SHEET 2 OF 2

