**DynaQuip** 

# 1-Pc. and 3-Pc. Polypropylene Bolted Ball Valves

Fiberglass-reinforced bolted valves for heavy-duty industrial applications. PTFE seats allow free movement of self-aligning, diamond-tuned polypropylene ball for precise alignment. Self-lubricating PTFE stem, bushings, and ball seats won't stick or bind. With FKM seals. FNPT connections. For use in fluid-handling applications with fertilizer, herbicides, and insecticides, as well as with industrial acids, S

solvents, liquid waste, wastewater, and cooling water.			v	3-Way Bottom Load		3-Way Side Load		
2-WAY	Full-port, right or	Pipe Size Port	Max. Pressure	ltem No.	Máx. Pressure	Item No.	Max. Pressure	Item No.
■ Max. temp.: 150°F	left directional flow	1/2" Standard	150 psi CWP			3DTF3	— 100 psi CWP	3DTF
<ul><li>3-pc. valve structure</li></ul>	valves. Bottom-load		150 psi CWP	1MKK2	<u> </u>	_		_
3-WAY	valves can be turned off to stop flow.		150 psi CWP 150 psi CWP	1MKK4	150 psi CWP	3DTF5		3DTG
<ul><li>Max. pressure: 100 psi</li><li>Temp. range:</li></ul>	Side-load valves	1½" Standard	150 psi CWP 150 psi CWP	1MKK5	<u> </u>	_	-	_
-20° to 150°F	cannot be turned off.	3" Full	150 psi CWP 100 psi CWP	1MKK8	_	=	=	=
<ul><li>1-pc. valve structure</li></ul>		_4" Standard	75 psi CWP	1MKK9	_		_	_



## **Actuated Ball Valves**

■ Valve temp. range: -20° to 400°F PNEUMATIC

Compact, direct-mount valves provide accurate alignment. Anticorrosive coating. RTFE seats. 3-way models are ideal for divertertype applications; 3-pc. models permit easy in-line maintenance. All valves have NEMA 4X enclosures.

- Actuator inlet pressure: 80 psi or greater
- Actuator temp. range: -4° to 176°F Excellent for continuous rapid cycling or hazardous conditions. Hard anodized aluminum housing. Integral 120VAC, 60 Hz, NAMUR-mount solenoid with three 1/4" NPT ports.

### **ELECTRONIC**

Max

1000 psi CWP

1000 psi CWP

600 psi CWP

400 psi CWP

600 psi CWP

600 psi CWP

Bronze, Full Port, 3-Piece, 2-Way, FNPT x FNPT
½ in 3TPF5

Lead Free Brass, Full Port, 2-Piece,

Pine

316 Stainless Steel,

1/4 in 1/2 in

3/4 in

1 in

1 ½ in

2 in

1/4 in 1/2 in

3∕4 in

1 in

1 1/4 in

1 ½ in

2 in 3 in

1 ¼ in 1 ½ in

2 in

3 in

1/4 in 3/6 in

½ in ¾ in

1 in 1 ¼ in

1 ½ in 2 in

<sup>3</sup>⁄₄ <u>in</u>

1 in 1 ½ in 1 ½ in

2 in

½ in ¾ in

1 in 1 ¼ in

1 ½ in

316 Stainless Steel, Full Port, 3-Pier

Brass, Full Port, 2-Piece, 2-Way, FNF

Brass, Standard L Port, 2-Piece, 3-V

Actuator temp. range: -15° to 140°F

Feature reversible motors, terminal strip, manual override, and a hardened precision gear train. 1/2" to 2" can be wired in parallel. 50% duty cycle. 3" have 2 extra SPDT limit switches, 30% duty cycle. General cycle times: 21/2 sec. for  $\frac{1}{2}$ " to 1"; 6 $\frac{1}{2}$  to 15 sec. for 2"; 15 to 22 sec. for 3". The 12-24VAC/VDC models do not have a manual override.

**Electronic Actuated Ball Valve** 

120V AC

Item

No

4TL01 4TL02

4TI 03

4VM62

4YM63 1AWF6

1AWH2 1AWH4

1AWH5 1AWH6

1AWH7

1AWC1

1AWC2

T x FNPT

6CX16 6CX17

6CX18 6CX19

6CX20

6CX21

1AWD3

1AWE3

1AWF4

1AWF5

1AWE6

1AWE7

1AWB9

3TPF6 3TPF7

3TPF8 3TPG1

Way, FNP1 46Z622

46Z623

467625

46Z626

ay, FNPT x FNP

e, 2-Way, FNPT

Full Port, 2-Piece, 2-Way, F

12-24V AC/V DC

Item

No.

1AWF8

1AWF9

1AWG2

**FNPT** 

1AWD4

1AWD5

1AWD6

1AWD7

1AWD8

1AWD9

FNPT 1AWE8

1AWE9

IAWF

1AWF2

1AWF3

1 AWF

1AWF5

467627

46Z628

46Z629

467630

46Z631

## **SOLENOID AIR CONTROL VALVES**

Standard NAMUR direct-mounted pilot solenoids can provide electronic control of the inlet air. Solenoids efficiently pressurize and exhaust the pneumatic actuator piston compartments allowing the actuator to cycle.



46Z612

19
4TL04



		Pneumatic Actuated Ball Valve				
				Spring Return		
		Double Acting	Spring Return	- Fail Close		
Pipe	Max.	Item	Item	Item		
Size	Pressure ss Steel, Full Port,	No.	No.	No.		
1/4 in	55 Sieei, Fuii Fuii,	Z-Fiece, illille,	4TL09			
1/2 in	_	4TL06	4TL10			
3/4 in	1000: 0000	4TL07	4TL11	i –		
1 in	— 1000 psi CWP	4TL08	4TL12	_		
1 ½ in		4YM64	4YM66			
2 in		4YM65	4YM67			
	dard L Port, 1-Piec	e, Three-Way, F	NPT	4 814140		
1/2 in 3/4 in	_			1AWK9 1AWL1		
1 in	_	1AWK2	=	1AWL1		
1 ½ in	400 psi CWP			1AWL3		
1 ½ in	100 psi 0111	_	_	1AWL4		
2 in		1AWK5	_	1AWL5		
3 in		1AWK6	_	_		
	l Port, 3-Piece, Inl					
1/2 in		3TPH3		3TPJ2		
3/4 in		3TPH4	3TPJ3	<del>  -</del>		
1 in	600 psi CWP	3TPH5	3TPJ4			
1 ½ in 2 in	_	3TPH8	3TPJ6 3TPJ7			
	ss, Full Port, 2-Pie		SIFJI	_		
½ in	33, Tull I OIL, 2-1 IC	6CX04	6CX10	_		
3/4 in		6CX05	6CX11	<u> </u>		
1 in	600 psi CWP	6CX06	_	6CX12		
1 ¼ in		6CX07	6CX13	<u> </u>		
1 ½ in		6CX08	6CX14			
Lead Free Brass, Full Port, 2-Piece, Inline, FNPT						
1/2 in 3/4 in		46Z612 46Z613	46Z617 46Z618			
1 in	_	46Z614	46Z619	_		
1 ½ in	600 psi CWP	46Z615	402013	<del>                                     </del>		
1 ½ in	000 psi 0Wi	46Z616	46Z621	_		
2 in	_	6CX09	6CX15	<u> </u>		
3 in		1AWJ5	_	1AWJ6		
Stainless Steel, Full Port, 3-Piece, Inline, FNPT						
1/4 in		1AWP1		1AWR1		
3% in		1AWP2		1AWR2		
1/2 in 3/4 in		1AWP3 1AWP4	_	1AWR3		
1 in	1000 psi CWP	1AWP5	<del></del>	1AWR4 1AWR5		
1 1/4 in	1000 psi GWF	1AWP6		1AWR6		
1 ½ in	_	1AWP7	_	1AWR7		
2 in	_	1AWP8	_	1AWR8		
3 in		1AWP9		1AWR9		
	teel, Standard L Po		ee-Way, FNPT			
1½ in	— 1000 psi CWP,	1AWL9	_	1AWN5		
3/4 in	— 125 psi Steam	1AWN1		1AWN6		
1 in	·	1AWN2	_	1AWN7		
1 ½ in 2 in	125 psi Steam, 800 psi CWP	1AWN3 1AWN4	H-=	1AWN9		
	perational	1/4/1/14		INVIVIO		
Pilot Pressure Ambient Valve Item						

Port Size Range Temp. Range Solenoid Air Control Valve

Actuator / Return Voltage

Item  Valve Position Limit Switch Ki	Includes it	Item No.
Limit Switch Kit	Mounting Hardware, Valve Position Limit Switch	44F209
Solenoid Pilot Valve, 115VAC	Ready-to-Mount Pilot Soleniod	44F197
Solenoid Pilot Valve, 24VAC	Replacement Pilot Soleniod, Screws (4)	44F207