

400 Series

Two Way, No-Freeze 2" Angle Valve

Application

- Used for snap acting on-off control of higher pressure liquids or gas
- Oil and gas separators, gas scrubbers and liquid accumulators are typical applications
- Valve trim placement is inside the vessel in direct contact with process fluid to prevent freezing
- Pneumatic operated topworks
- NACE material packages available

Features and Benefits of the 400 Series Valve

- Carbon steel body with 2" vessel connection standard
- 316L Stainless steel body and wetted parts available
- Topworks available in 23 in² or 45 in² sizes
- Fail closed for safety
- Variety of trim plug and seat sizes and materials
- Packing gland and seals material options
- Rebuild kits available for all Pathway valves

Benefits of ALL Pathway Control Products

- Personalized service and support expertise
- Responsive, on-time delivery
- Time-tested & proven design providing dependable, long-term service
- Valves Made in USA





400 Series Two Way, No-Freeze 2" Angle Valve

Specifications			
Connection Size & Type:	2" MNPT vessel connection, 1" FNPT outlet		
Working Pressure:	4000 psig max		
Maximun Differential Pressure:	MAXIMUM DIFFERENTIAL PRESSURE (psig)		
	23 sq.in Actuator 45 sq.in Actuator 400-222 400-223		
	Supply Pressure3/8" Orifice1/2" Orifice3/8" Orifice1/2" Orifice		
	15 850 500 2150 1500 20 1600 1000 3450 2400 25 2120 1450 4000 2600		
	25 2100 1450 4000 3600 30 2100 1450 4000 4000		
Temperature:	-20° F to +180° F; Available to +240° maximum temperature		
Topworks: Pneumatic Actuated	Pressed steel diaphragm housing; nitrile diaphragm (nylon reinforced) 50 psig maximum supply pressure Effective Area Diameter 23 in ² 9"		
	45 in^2 10.5"		
Trim Size: ^{1/4"} ^{3/8"} ^{1/2"} Material Selections	CV Factor: 2.0 4.4 5.5		
Body: 400 400SS	Carbon steel 316L stainless steel		
Trim Set:	Snap acting, 316 SST trim plug, 303 SST trim seat standard; Available in: Snap acting, 316 SST trim plug, 316 SST trim seat Snap acting carbide trim plug, 17-4 PH SST trim seat		
Seals & Packing:	Molythane/brass packing gland, nitrile seals standard; Available in: Fluorocarbon/brass packing gland, fluorocarbon seals Molythane/316 SST packing gland, nitrile seals, K500 Monel stem Fluorocarbon/316 SST packing gland, fluorocarbon seals, K500 Monel stem		
Stem:	303 SST standard; K500 Monel available		
NACE Package:	NACE materials include 316L SST body and wetted internal components, fluorocarbon/316 SST packing gland, fluorocarbon seals, K500 Monel stem, 316 SST trim set		
Maintenance Rebuild Kits:	Rebuild Kits available which include: valve packing gland, seals, trim set, valve stem, lock nut and diaphragam		

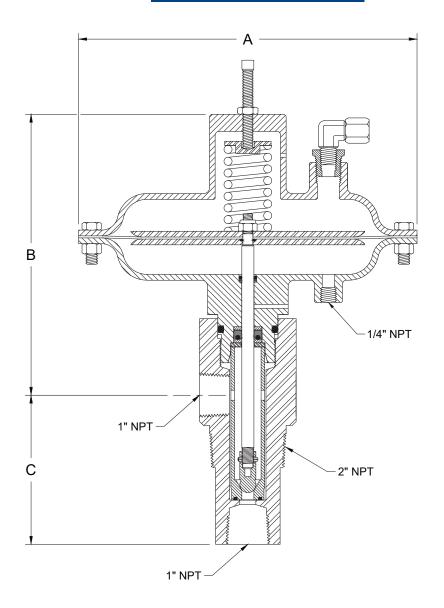


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SAMPLE MODEL

MODEL 400-223-12A1



Dimensions for Standard Models			
<u>400-222</u>		400-223	
A	9"	101/2"	
В	81/4"	85/8"	
<u>C</u>	45%"	43/8"	

CAUTION:

Remove spring tension by backing off adjustment screw OR apply air pressure under diaphragm BEFORE removing topworks to prevent damage to trim.



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