

data sheet

# 70-600 series

3-way diverter bronze ball valve



### features

- adjustable packing gland
- blowout-proof stem design
- RPTFE seats and stuffing box ring
- drilled and tapped mounting pad
- manufactured in the USA - BABA and BAA compliant

### description

The "Apollo"® 70-600 series standard port 3-way diversion valve is ideal for making tank selection and fluid transfers simpler. Manufactured with proven ASTM materials in the USA.

### size range

- 1/4" - 2"

### connections

- threaded

### configurations

- 70-600 series - standard
- 70-64x series - ss ball & stem

### approvals

- MSS SP-110
- federal specifications
  - WW-V-35C
- CSA B51 CRN:0C10908.5C
- Buy American Act (BAA)
- Build America Buy America (BABA) Act

component	material
body	bronze, ASTM B584-C84400
retainer	B16 or B283, C37700 (1/4" to 1") B584-C84400 (1 1/4" to 2")
ball	brass ASTM B16, C36000 chrome plated brass B283, C37700 chrome plated, or stainless steel, A276-316
seat (2)	RPTFE
stem	brass, ASTM B16, C36000
gland nut	brass, ASTM B16, C36000
stem packing	RPTFE
lever and grip	steel, zinc plated w/ vinyl
lever nut	steel, zinc plated
stem bearing	RPTFE
body seal (1 1/2"-2")	PTFE

### performance rating

CWP	temperature
400 psig (maximum pressure)	500°F (maximum temperature)



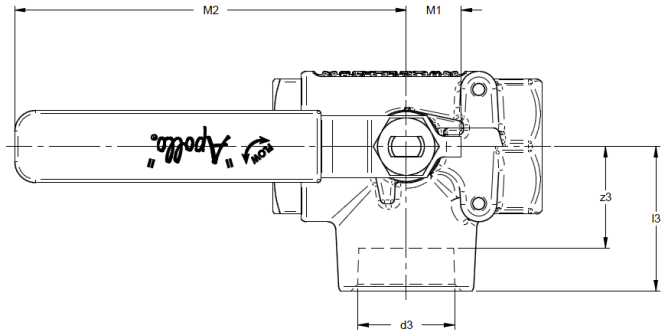
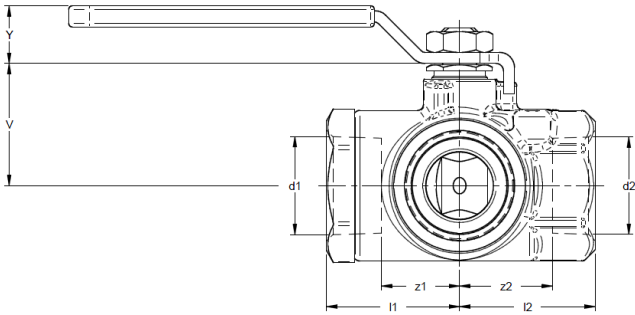
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### Aalberts integrated piping systems

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job name	
job location	
engineer	
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PO#	
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dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
70-601-01	¼"	0.37"	0.54"	0.54"	1.09"	1.15"	0.69"	0.74"	0.55"	3.85"	1.12"	0.65"	0.86 lbs
70-602-01	⅜"	0.37"	0.68"	0.68"	1.09"	1.15"	0.61"	0.74"	0.55"	3.85"	1.12"	0.65"	0.84 lbs
70-603-01	½"	0.50"	0.84"	0.84"	1.09"	1.15"	0.56"	0.63"	0.55"	3.85"	1.12"	0.65"	0.99 lbs
70-604-01	¾"	0.68"	1.05"	1.05"	1.47"	1.49"	0.92"	0.89"	0.67"	4.76"	1.39"	0.68"	1.91 lbs
70-605-01	1"	0.87"	1.32"	1.32"	1.61"	1.64"	0.94"	1.12"	0.67"	4.76"	1.78"	0.68"	2.42 lbs
70-606-01	1 ¼"	1.00"	1.66"	1.66"	2.00"	1.98"	1.37"	1.40"	0.98"	5.40"	1.99"	0.70"	4.27 lbs
70-607-01	1 ½"	1.25"	1.90"	1.90"	2.19"	2.20"	1.55"	1.52"	0.98"	5.40"	2.18"	0.70"	5.82 lbs
70-608-01	2"	1.50"	2.38"	2.38"	2.35"	2.32"	1.75"	1.73"	0.98"	5.40"	2.37"	0.70"	8.55 lbs

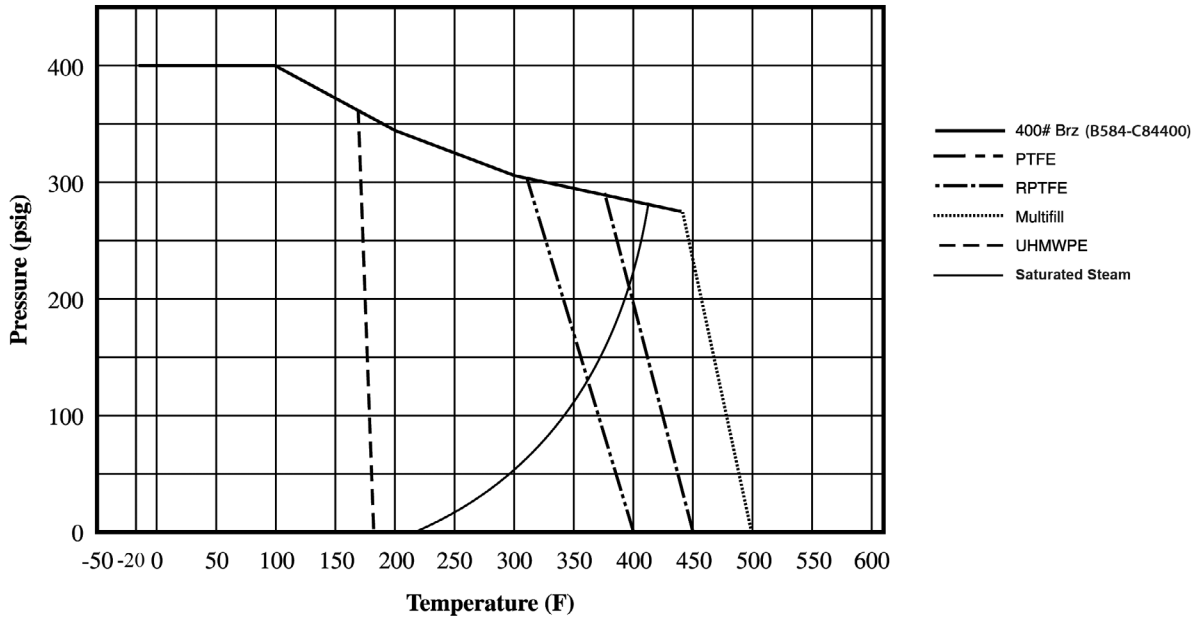
options

option	component	size
(-04)	2 ¼" cs stem extension	¼" - 2"
(-10)	ss lever & nut	¼" - 2"
(-17)	rough chrome plated	¼" - 2"
(-21)	UHMWPE trim (non-PTFE)	¼" - 2"
(-27)	ss latch-lock lever & nut	¼" - 2"
(-35)	VTFE trim	¼" - 2"
(-56)	MPTFE seats & packing	¼" - 2"
(-57)	oxygen cleaned	¼" - 2"
(-T01)	BSPT (tapered) thread	¼" - 2"

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flow characteristics

graph 1



flow pattern

