

data sheet

70-900 series

bronze diverter 3-way solder ball valve



features

- two-piece body
- adjustable packing gland
- blowout-proof stem design
- RPTFE seats and stuffing box rings
- 100% factory tested
- manufactured in the USA – BABA and BAA compliant

description

The "Apollo"® 70-900 series is designed to be soft soldered without disassembly and is ideal for flow diversion; its larger ports make tank selection and fluid transfers simpler. solder, 400 CWP (psig), cold non-shock.

size range

- ½" - 1"

connections

- solder

configurations

- 70-900 series – standard

approvals

- MSS SP-110
- federal specifications
 - WW-V-35C
 - type: II
- CSA B51 CRN:OC10908.5C
- Buy American Act (BAA)
- Build America Buy America (BABA) Act



this specification is provided for reference only. we reserve the right to change any portion of this specification without notice and without incurring obligation to make such changes to Aalberts integrated piping systems products previously or subsequently sold.

Aalberts integrated piping systems

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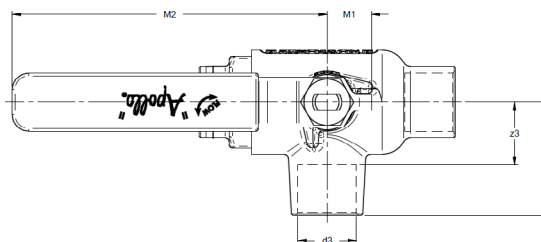
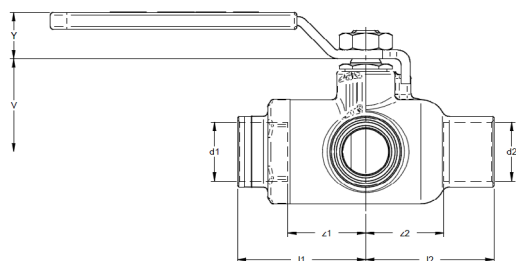
component	material
body	bronze, ASTM B584-C84400
retainer	B16 or B283, C37700 (½" to 1") B584-C84400 (1 ¼" to 3")
ball	brass ASTM B16, C36000 chrome plated brass B283, C37700 chrome plated, or stainless steel, A276-316
seat (2)	RPTFE
stem	brass, ASTM B16, C36000
gland nut	brass, ASTM B16, C36000
stem packing	MPTFE
lever and grip	steel, zinc plated w/ vinyl
lever nut	steel, zinc plated
body seal (1 ¼"-3")	PTFE
stem bearing	RPTFE

performance rating

CWP	temperature
400 psig (maximum pressure)	350°F (maximum temperature)

job name	
job location	
engineer	
contractor	
tag	
PO#	
rep	
wholesaler dist	

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dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
70-903-01	½"	0.50"	0.63"	0.63"	1.42"	1.44"	0.92	0.94"	0.55"	3.85"	1.12"	0.65"	0.76 lbs
70-904-01	¾"	0.68"	0.88"	0.88"	1.92"	1.92"	1.17	1.17"	0.67"	4.76"	1.39"	0.68"	1.65 lbs
70-905-01	1"	0.87"	1.13"	1.13"	2.17"	2.24"	1.27	1.34"	0.67"	4.76"	1.47"	0.68"	2.15 lbs

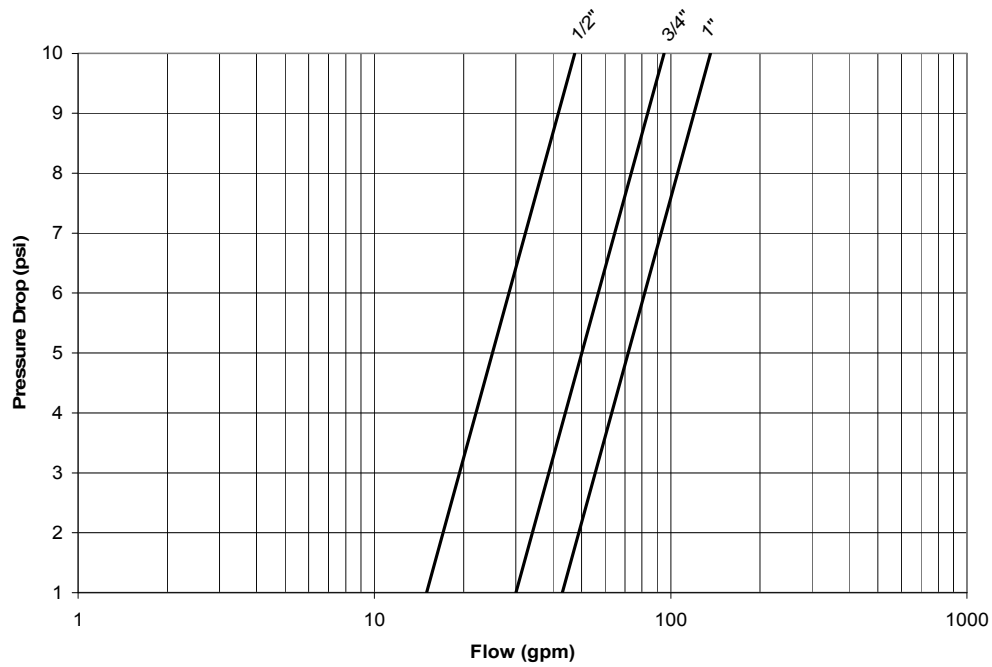
options

option	component	size
(-01)	standard configuration	all
(-02)	stem grounded	½" - 1"
(-04)	2 ¼" cs stem extension	½" - 1"
(-05)	plain ball	½" - 1"
(-10)	ss lever & nut	½" - 1"
(-17)	rough chrome plated - bronze valves	½" - 1"
(-21)	UHMWPE seats (non-PTFE)	½" - 1"
(-24)	graphite packing	½" - 1"
(-27)	ss latch-lock lever & nut	½" - 1"
(-35)	VTPE trim	½" - 1"
(-49)	assembled dry	½" - 1"
(-50)	2 ¼" cs locking stem extension	½" - 1"
(-56)	MPTFE seats and packing	½" - 1"
(-57)	oxygen cleaned	½" - 1"
(-60)	static grounded ball & stem	½" - 1"

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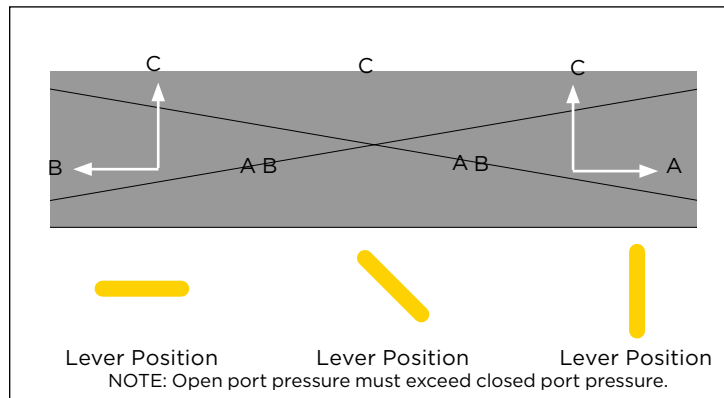
flow characteristics

graph 1



flow pattern

graph 2



data sheet

pressure/temperature ratings

engineering data

400 CWP

bronze ASTM B584

graph 3

