

data sheet

73-400 series

carbon steel double union end socket weld ball valve



description

The “Apollo”® 73-400 model ball valve ½” to 2” features female NPT thread, 3000 CWP (psig). Cold non-shock with 250 psig saturated steam and vacuum service to 29 inches Hg. MSS SP-110 compliant.

size range

- ½” - 2”

connections

- threaded

configurations

- 73-400 series - standard

approvals

- MSS SP-110 ball valves
- IAPMO/ANSI Z1157 ball valves

features

- heavy duty quarter turn lever
- reinforced seats and seals
- steel barstock design
- easy installation and maintenance
- blowout-proof stem design
- adjustable packing gland
- zinc phosphate corrosion protection

component	material
body	A108-carbon steel
retainer	A108-carbon steel
ball	ASTM A276-316 stainless steel
seat (2)	RPTFE
stem	ASTM A108-carbon steel, zinc phosphate finish or A276-316 stainless steel
gland nut	A108-carbon steel
stem packing	RPTFE
stem bearing	RPTFE
lever and grip	steel, zinc plated with vinyl
retainer seal	RPTFE
lever nut	steel, zinc plated
tailpiece (2)	A108-carbon steel
union nut (2)	A108-carbon steel
seat holder	A108-carbon steel
union seal (2)	RPTFE

performance rating			
CWP	SWP	temperature	vacuum service
3000 psig	250 psig (maximum)	0°F - 250°F	29 in. Hg



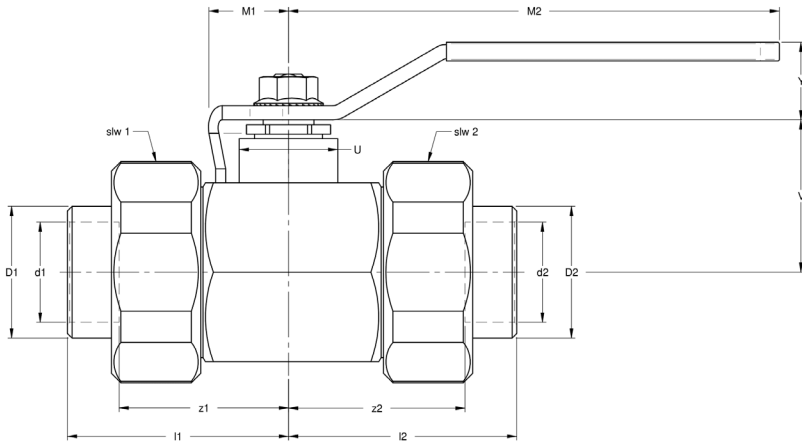
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Aalberts integrated piping systems

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

data sheet



dimensions

part number	size	bore size	d1	d2	l1	l2	z1	z2	M1	M2	V	Y	weight
73-403-01	½"	0.50"	0.84"	0.84"	2.49"	2.49"	2.06"	2.06"	1.02"	5.53"	1.45"	1.01"	3.35 lbs
73-404-01	¾"	0.68"	1.05"	1.05"	2.65"	2.49"	2.09"	1.93"	1.02"	5.53"	1.60"	1.01"	4.48 lbs
73-405-01	1"	0.87"	1.32"	1.32"	2.94"	3.04"	2.26"	2.35"	1.06"	6.53"	2.02"	1.03"	7.04 lbs
73-406-01	1¼"	1.00"	1.66"	1.66"	2.89"	3.23"	2.08"	2.42"	1.06"	7.91"	2.27"	1.07"	9.96 lbs
73-407-01	1½"	1.25"	1.90"	1.90"	3.54"	3.67"	2.67"	2.80"	1.06"	7.91"	2.46"	1.07"	14.83 lbs
73-408-01	2"	2.00"	2.38"	2.38"	3.75"	3.75"	2.69"	2.69"	1.64"	8.91"	2.85"	1.25"	20.50 lbs

options

option	component	size
(-01)	standard configuration	all
(-P-01)	BSPP (parallel) thread connection	all
(-T-01)	BSPT (tapered) thread connection	all
(-02)	stem grounded	all
(-07)	steel tee handle	¼" to 1 ½"
(-14)	side vented ball (uni-directional)	all
(-15)	wheel handle, steel	¼" to 1"
(-18)	chain lever - vertical	all
(-19)	lock plate	all

option	component	size
(-21)	UHMWPE trim (non-PTFE)	all
(-22)	viton union seals	all
(-29)	graphite packing & seals	all
(-45)	less lever & nut	all
(-60)	static grounded ball & stem	all
(-63)	threaded x socket weld	all
(-64)	250# steam trim (MPTFE seats & packing)	all
(-UA)	AIS (American iron & steel) compliant	all

data sheet

pressure/temperature ratings
engineering data

3000 CWP

(CS) ASTM A216-WCB or ASTM A105 or A108

graph 1

