

# 77V-140 series

press end forged ball valve stainless steel ball & stem



Apollo Press



job name:	
job location:	
engineer:	
contractor:	
tag:	
PO#:	
rep:	
wholesale dist.:	

## description

The Apollo Press® 77V140 Series two-piece press ball valve with stainless steel ball and stem is ideal for installation in heating, cooling and non-potable plumbing. Features Leak Before Press® technology and 300 psig maximum working pressure. Proudly Made in the USA.

## features

- 2 piece, heavy pattern forged design
- full-port flow
- adjustable stem packing
- fast, reliable, economical press installation
- Ridgid® XLC Press Tool Compatible (2-1/2" - 4")
- Leak Before Press® Technology
- blowout-proof stem
- corrosion resistant materials
- silicone free assembly
- 100% factory tested
- 316 SS Ball and stem option (77V-140)
- made in USA, ARRA compliant

## approvals

- MSS SP-110 ball valves
- IAPMO/ANSI Z1157 ball valves
- directive 2011/65/CE (RoHS)

## approved applications

- water, chilled and hot: 33° - 250°F
  - hydronic heating (90% glycol max)
  - low pressure steam, 15 psi max
  - not suitable for flammable gas service
  - not compatible with soft annealed copper tubing
- not intended for potable water in USA

## standard materials list

body	lead free brass, C27451
seat	RPTFE
ball	stainless steel, ASTM A276 Type 316
stem packing	RPTFE
nut	corrosion resistant plated steel
stem	stainless steel, ASTM A276 Type 316
retainer	lead free brass, C27451
handle	plated steel / insulated polyvinyl
gland	brass, ASTM B16, C36000
o-ring seals	EPDM

## performance rating†

- maximum operating pressure: 300 psi
- temperature range: 0°F - 250°F

†Apollo Press® connectors are designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition. Press connectors are not suitable for steam or flammable gas service.

## options

- (-01) standard lever handle
- (-04) 2-1/4" stem extension
- 1/2" - 2-1/2"
- (-07) tee handle
- (-11) Therma-Seal™ insulating tee handle
- (-27) locking handle SS 1/2" - 2-1/2"
- (77VLF series) lead free (0.25% lead max)

## dimensions

model number	size (in.)	dimensions (in.)					wt. (lb.)
		A	B	C	D	E	
77V-143-01	1/2"	0.50	1.57	2.89	1.66	2.85	0.4
77V-144-01	3/4"	0.75	1.90	3.63	1.91	3.86	0.9
77V-145-01	1"	1.00	2.39	4.07	2.11	3.86	1.2
77V-146-01	1-1/4"	1.25	2.40	4.39	2.44	4.75	2.3
77V-147-01	1-1/2"	1.50	2.84	5.45	2.91	5.42	3.4
77V-148-01	2"	2.00	3.40	6.57	3.69	7.77	6.0
77V-149-01	2-1/2"	2.50	4.26	8.04	4.13	7.77	12.0
77V-140-01	3"	3.00	5.10	9.45	5.03	9.92	19.5
77V-14A-01	4"	4.00	5.20	10.35	5.70	14.78	26.0

