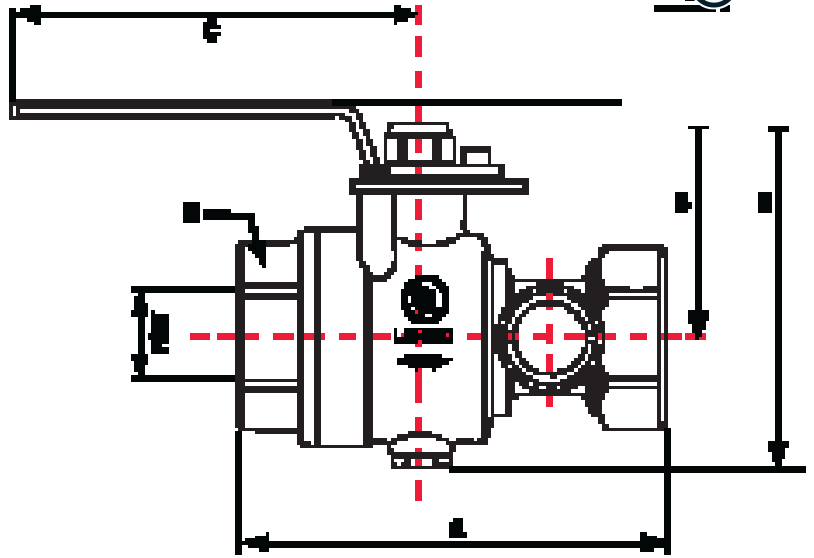


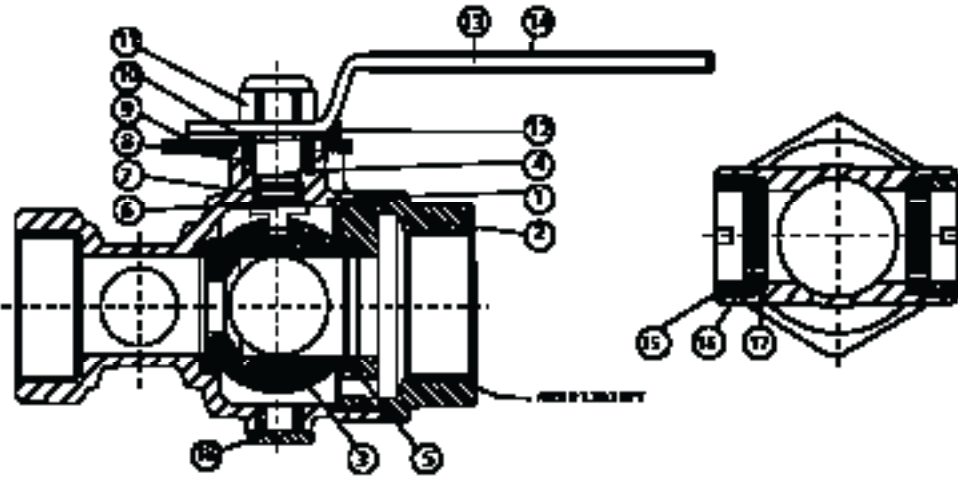
TEST AND DRAIN VALVE



Female NPT Inlet and Outlet
 Rated 300 PSI
 Forged Brass Body
 Chrome Plated Brass Ball with PTFE Seats

MATERIAL SPECIFICATIONS

- 1 Body - Bronze ASTM -B62
- 2 Body Cap - Forged Brass ASTM -C3770
- 3 Ball - Brass ASTM -B16/C37700
- 4 Stem - Brass ASTM -B16
- 5 Seat - PTFE
- 6 Thrust Washer - PFTE
- 7 O-Ring - NBR ASTM -D2000
- 8 Gland Packing - PFTE
- 9 Indicator - Plate Steel
- 10 Gland - Brass ASTM -B16
- 11 Nut - Steel
- 12 Stop Screw - Stainless Steel
- 13 Lever - Steel
- 14 Handle Cover - PVC Vinyl
- 15 Retaining Ring - Brass ASTM -B16
- 16 Washer - Acrylic 2
- 17 O-Ring - NBR ASTM -D2000
- 18 Cap Plug - Brass ASTM -B16



ITEM #	SIZE	plug	Port	A	B	C	D	H
6520181	1" with 1/2" orifice	1/4"	1-1/16"	5-1/32"	2-43/64"	5-11/32"	4-27/64"	2"
6520182	1-1/4" with 1/2" orifice	1/4"	1-1/16"	5-1/32"	2-43/64"	5-11/32"	4-27/64"	2"
6520182-150	1-1/2" with 1/2" orifice	N/A	1-3/4"	6.811"	5"	5-11/32"	5"	3"
6520182-200	2" with 1/2" orifice	N/A	1-3/4"	6.811"	5"	5-11/32"	5"	3"

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

TEST AND DRAIN VALVE WITH PRESSURE RELIEF

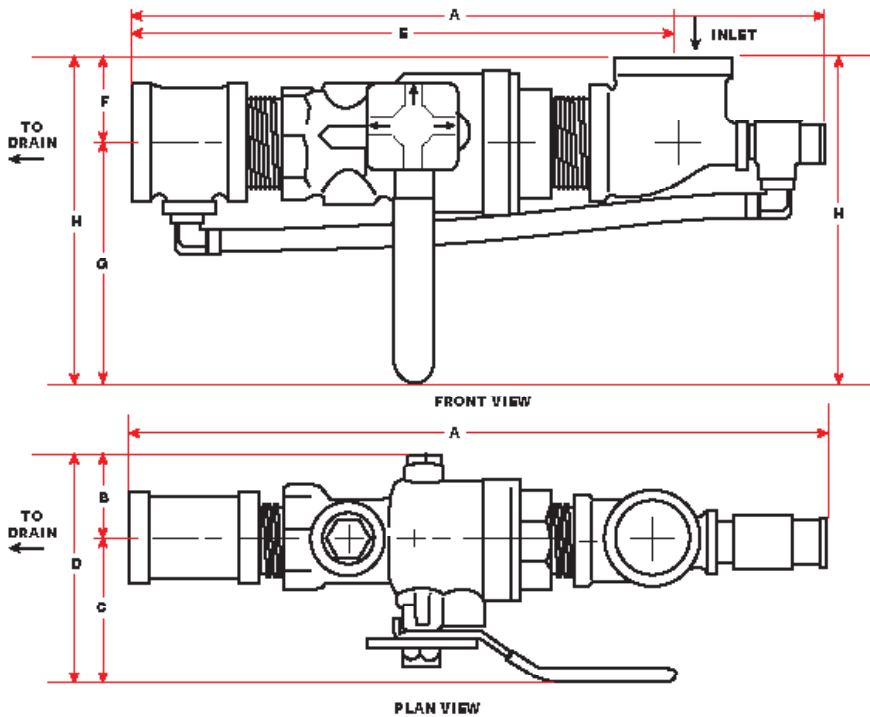


Provides the test and express drain functions for wet fire sprinkler systems on multi-story installations requiring pressure relief (NFPA 13 and NFPA 13R). Features a Pressure Relief Valve with drain pipe.



- Complies with NFPA 13 and NFPA 13R Requirements
- Compact, Single-Handle Ball Valve
- Tamper-Resistant Test Orifice and Sight Glasses
- 300 PSI rated.
- Relieves Excess System Pressure caused by Surges or Temperature Changes
- Shipped with Relief Valve and Bypass Drain Ports Plugged to Expedite Pressure Testing

Materials	
Handle	Steel
Stem	Rod Brass
Ball.....	C.P. Brass
Body	Bronze
Valve Seat.....	Impregnated Teflon®
Indicator Plate	Steel
Relief Valve	Bronze
Bypass Fittings...	Brass
Bypass Tubing....	Nylobraid



SIZE	ITEM #	A	B	C	D	E	F	G	H
1"	6520181-PRV	13-1/2"	1"	2-1/2"	4-1/2"	10"	1"	5"	6-1/2"
1-1/4"	6520182-PRV	14"	1"	2-1/2"	4-1/2"	10-1/2"	1"	5-1/2"	7"
1-1/2"	6520182-150-PRV	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2"	6520182-200-PRV	17"	1-1/2"	3-1/2"	6"	13"	1-1/2"	7-1/2"	9-1/2"

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

TEST AND DRAIN VALVE WITH PRESSURE RELIEF



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ARGCO's Test & Drain with Pressure Relief provides the following:

From the 2013 Edition of NFPA 13

- Chapter 8.16.2.4.1* Provisions shall be made to properly drain all parts of the system.
- Chapter 8.16.2.4.2 Drain connections, interior sectional or floor control valve(s) –shall be provided with a drain connection having a minimum size as shown in Table 8.16.2.4.2.
- & 8.16.2.4.3
- Chapter 8.16.2.4.4 Drains shall discharge outside or to a drain capable of handling the flow of the drain.
- Chapter A.8.17.4.2 (Wet Pipe System) test connection is permitted to terminate into a drain capable of accepting full flow... using an approved sight test connection containing a smooth bore corrosion-resistant orifice giving a flow equivalent to one sprinkler...
- Chapter 8.17.4.2.2 The test connection valve shall be accessible.
- Chapter 8.17.4.2.4 shall be permitted to be installed in any location... downstream of the waterflow alarm.
- Chapter 8.17.4.3.1 (Dry Pipe System) a trip test connection not less than 1" in diameter, terminating in a smooth bore corrosion-resistant orifice, to provide a flow equivalent to one sprinkler...
- Chapter 8.17.4.3.2 The trip test connection... with a shutoff valve and plug not less than 1", at least one of which shall be brass.
- Chapter 7.1.2 - a wet pipe system shall be provided with a listed relief valve set to operate at 175 PSI or 10 PSI in excess of the maximum system pressure, whichever is greater.
- Chapter 8.16.1.2.3* A listed relief valve of not less than ½" in size shall be provided on the discharge side of the pressure-reducing valve set to operate at a pressure not exceeding rated pressure of the system.
- Chapter A.8.16.1.2.3 - consideration should be given to piping the discharge from the (pressure relief) valve

System No.		Location		Spec Section		Paragraph	
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