

3155W Series

INTEGRA-SEAL®

The 3155W Series Dual Pressure-Relief Valve Series is a next-generation product incorporating Superior's proven **INTEGRA-SEAL®** welded ball valve technology to further safeguard your system in the event of a pressure relief valve discharge.

This product provides you with the ability to maintain protection of your system with a back-up pressure relief valve while enabling you to replace the other relief valve — all without dropping system pressure!

The Dual Pressure-Relief Valve Series ball valves employ the latest robotic welding technology, and the valves have full-size ports for unrestricted

flow. Every continuous welded body joint is 100% factory tested to ensure positive leak-free performance.

Dual Teflon® ball seals surround a polished brass ball at each end. A secondary seal becomes effective if foreign material scores the primary seal — even unfavorable conditions such as compressor burnout — a Superior exclusive.

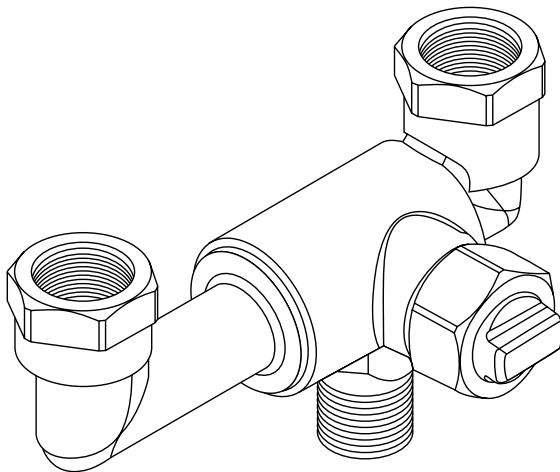
The 3155W Series Dual Pressure-Relief Valve assembly is constructed using an all-forged brass body. High flow internals maximize flow capacity, another Superior exclusive. The stem and cap of the Series 3155W is located on the side of the valve to provide

easy access with a wrench. Our time-tested seal cap design permits valve operation without seal cap removal, and stamped flow direction indicators on the seal cap indicate pressurized port at a glance. Mechanical internal machined stops ensure positive open or closed seal position with only a ¼ turn.

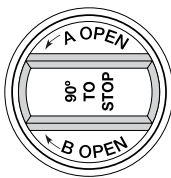
The Series 3155W incorporates a dual stem seal design utilizing Teflon packing compressed by an internal packing nut, forming the primary seal. The unique seal cap design permits valve operation without removal of the seal cap and uses Teflon gaskets to provide a secondary seal — a third Superior exclusive. There are no synthetic O-rings.

Teflon is a registered trademark of Dupont.

Series 3155W



Part Number	IBCA Number	Inlet Connection	Outlet Connection	Size (Inches)	
				Ball Port Diameter	Weight (lbs.)
3155W-D	59526	½ MPT	½ FPT	0.563 (14.30 mm)	1.5
3155W-E	60276	¾ MPT	¾ FPT	0.750 (19.05 mm)	3.2
3155WX1-14S	60185	¾ ODM	½ FPT	0.563 (14.30 mm)	1.5



Seal Cap

Exclusive Seal Cap design permits operation of valve without removal. Markings on cap top designate at-a-glance pressurized port.

Dual Pressure-Relief Valve Assembly

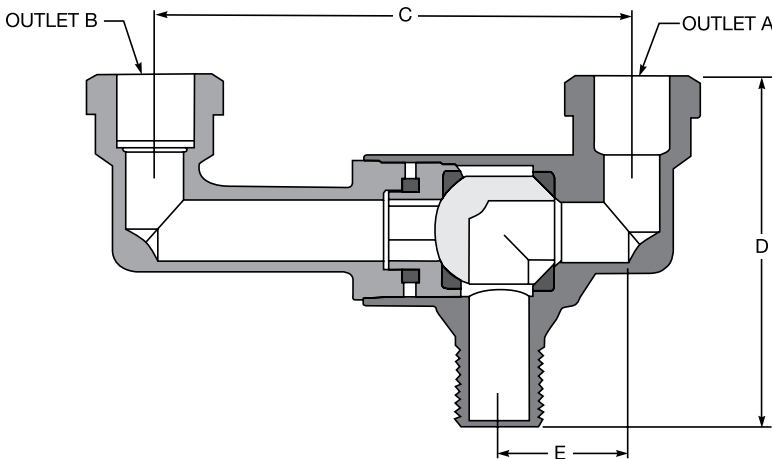
3155W Series

- High flow internals for maximum flow capacity. A Superior exclusive!
- **INTEGRA-SEAL**® welded ball valve design allows removal or replacement of either relief valve while system is still pressurized without loss of charge!
- Proven seal cap and stem design. No synthetic O-ring seal. Cap design permits valve operation without seal cap removal.
- The male inlet connection enables easy installation onto receiver. No need for male adapters!
- Flow direction indicator on seal cap. Mechanical internal machined stops ensure positive open or closed seal position. Full open or close with only a ¼ turn.
- Dual Teflon® ball seals at each end. The secondary seal becomes effective if foreign material scores the primary seal — another Superior exclusive!
- Every valve is 100% factory sealed and leak tested.
- Full refrigeration service temperature range of -40° F to +325° F (-40° C to +163° C). Design working pressure of 700 PSIG.
- All-forged brass body and polished brass ball.
- UL® and cUL Listed, File No. 3462 (N).
- For use with CO₂, CFC, HFC and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Section 9.2.
- For gases or liquids not listed, please consult factory.
- US Patent No. 5,671,911.

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3155W Series

Part Number	Dimensions (Inches)			C _v Port	
	C	D	E	Outlet A	Outlet B
3155W-D	4.69 (119.12mm)	3.350 (85.09mm)	1.26 (31.93mm)	5.629	5.556
3155W-E	5.31 (134.87mm)	3.90 (99.06mm)	1.49 (37.85mm)	10.20	10.35
3155WX1-14S	4.69 (119.12mm)	3.350 (85.09mm)	1.26 (31.93mm)	5.629	5.556



Use 3155W-D with Superior Relief Valves

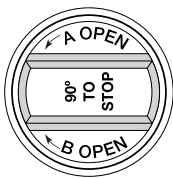
Part Number 3020	½" MPT x ½" FPT	MPT x ⅝" SAE
Part Number 3220	½" MPT x ½" FPT	MPT x ⅝" SAE Angle
Part Number 3030	½" MPT x ½" FPT	
Part Number 3031	½" MPT x ¾" FPT	

Use 3155W-E with Superior Relief Valves

Part Number 3045	¾" MPT x ¾" FPT	
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Use 3155WX1-14S with Superior Relief Valves

Part Number 3020	½" MPT x ½" FPT	MPT x ⅝" SAE
Part Number 3220	½" MPT x ½" FPT	MPT x ⅝" SAE Angle
Part Number 3030	½" MPT x ½" FPT	
Part Number 3031	½" MPT x ¾" FPT	



Seal Cap

Exclusive Seal Cap design permits operation of valve without removal. Markings on cap top designate at-a-glance pressurized port.