

# HLR 7790B Velocity Check Valve (excess flow valve)

The HLR 7790B is a two position, two way Normally Closed, Manual reset, flow control, safety valve. It is used to pressurize a pressure monitoring device's control circuit. Velocity Check Valves respond to downstream pressure differential by instantly sealing off the valve's inlet.

The most common usage of the Velocity Check Valve is its employment as a rupture response flow control safety valve. They are also used to pressurize and operate Line Pressure Operated (LPO) Safety Systems.

**Design Features:**

Dimensions: 1.500" Dia. x 5.00" L.

Working Pressure: Up to 10,000 PSI Max.

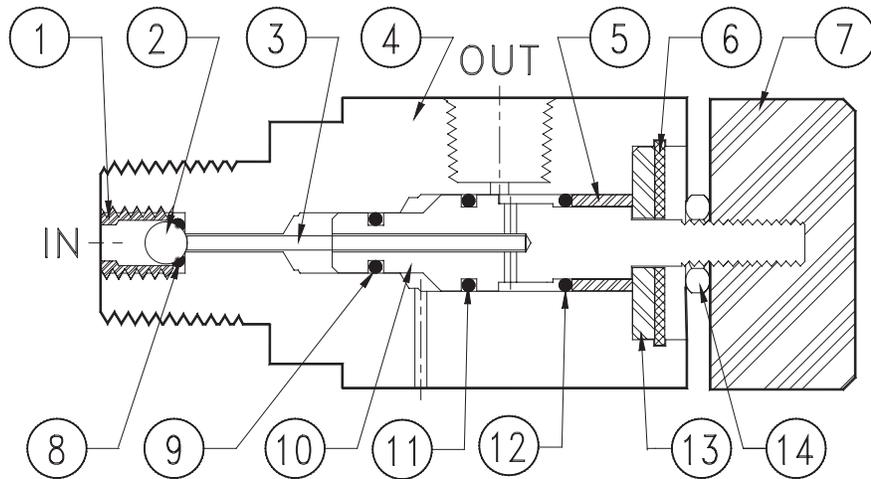
Connections: Inlet, 1/2" - 14 NPT.

Outlet, 1/4" - 18 NPT.

Weight: 1.250 lbs.

# Velocity Check Valve

# HLR 7790B



## BILL OF MATERIAL

ITEM	PART NAME	PART NUMBER	MATERIAL
1.	Screw	7796B	316SS
2.	Ball	7/32 TC	Tungsten Carbide
3.	Pin	7793B	316SS
4.	Body	7791B	316SS
5.	Sleeve	7795	316SS
6.	Retainer Ring	1" IRR	316SS
7.	Knob	8-1	Delrin
8.	O-Ring	AS-008V95	Viton
9.	O-Ring	AS-008V95	Viton
10.	Piston	7792B	316SS
11.	O-Ring	AS-012V95	Viton
12.	O-Ring	AS-109V75	Viton
13.	Retainer	7794	316SS
14.	Jam Nut	1/4"-20 Jam	316SS

Other Models of the HLR 7970B Series include:

7790BLP - Low Pressure

7790BPM - Panel Mount

7790B-IN - "wetted parts" made from Inconel 600

7790B-HC276 - "wetted parts" made from Hastelloy 276

7790B15 - 15,000 PSI working pressure, cone and thread connection

7790B15-T - special manufacture for Shell E&P with Techlok hub connection

7790BPM-14MP(A) - special manufacture for ExxonMobil w/ autoclave conn.

7790B-ED - special manufacture for BHP with explosive decompression O-rings