

HLR 7550A Sand Probe Relay

The HLR 7550A is a two position, three way, Normally Open flow control valve assembly that is manually reset. It is designed for use with the HLR 7620 Adaptor and the HLR 7620 Series Sand Probe Elements. A normally open flow path exists between the Inlet (I) and Outlet (O) ports. Application of media pressure at the 1/2" - 14 NPT process connection shifts the Stem to block the Inlet (I). The Outlet (O) port then becomes aligned with exhaust holes. Instrument pressure previously accumulated downstream of the Outlet port now becomes completely exhausted.

**Design Features:**

Dimensions: 1.500" Dia. X 3.750" L.

Working Pressure: Instrument Pressure - 200 PSI Max.

Process Pressure - 10,000 PSI Max.

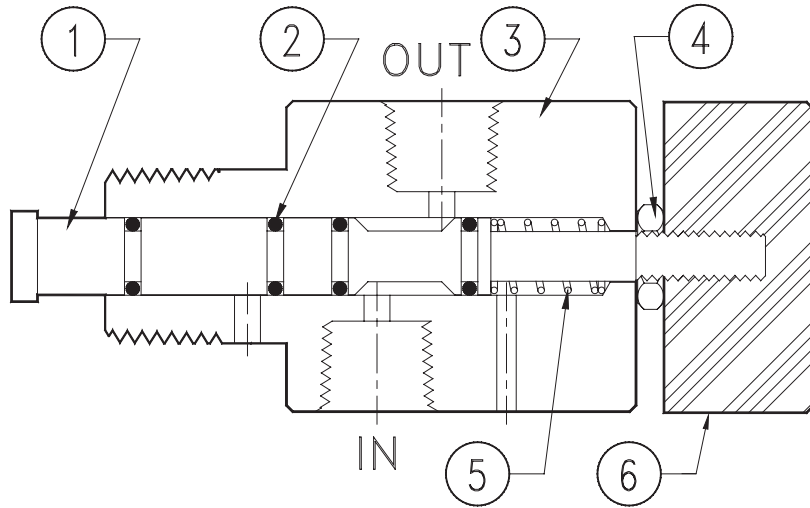
Connections: Control Ports - 1/4" - 18 NPT.

Process Inlet - 1/2" - 14 NPT.

Weight: 1 lb.

Sand Probe Relay

HLR 7550A



BILL OF MATERIAL

ITEM	PART NAME	PART NUMBER	MATERIAL
1.	Stem	7553A	316SS
2.	O-Ring (4)	AS-010V95	Viton
3.	Body	7552	316SS
4.	Jam Nut	1/4" - 20	316SS
5.	Spring	.360X.625X49	316SS
6.	Knob	8-5	Delrin

Sand Probe Adaptor - HLR 7620

Dimensions: 1.750" Hex x 2.000" L.

Working Pressure: 10,000 PSI

Weight: 3/4 lb.

Material: 316SS

Connections:

Process (inlet) - 1/2"-14 MNPT

Sand Probe Relay - 1/2"-14 FNPT

Sand Probe Element - 1/4"-18 FNPT

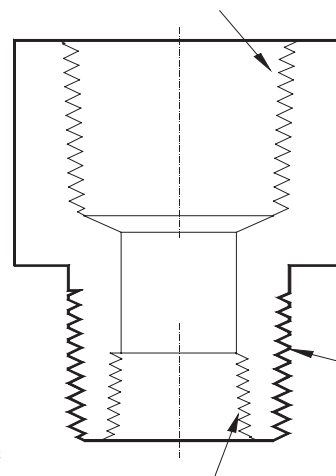
Sand Probe Elements

Sand Probe Elements are designed for 1/2" NPT "thread-o-let" installations and ordered by pipe size, working pressure, temperature and flow rate.

Please see separate page on HLR Sand Probes or contact HLR for assistance in selecting appropriate sand probes for your application.

SAND PROBE RELAY

CONNECTION - 1/2"-14 N.P.T.



INLET COUPLING

CONNECTION - 1/2"-14 N.P.T.

SAND PROBE ELEMENT

CONNECTION - 1/4"-18 N.P.T.