

# Ruelco



## Sand Probe Relay

## Model IS03

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# IS03

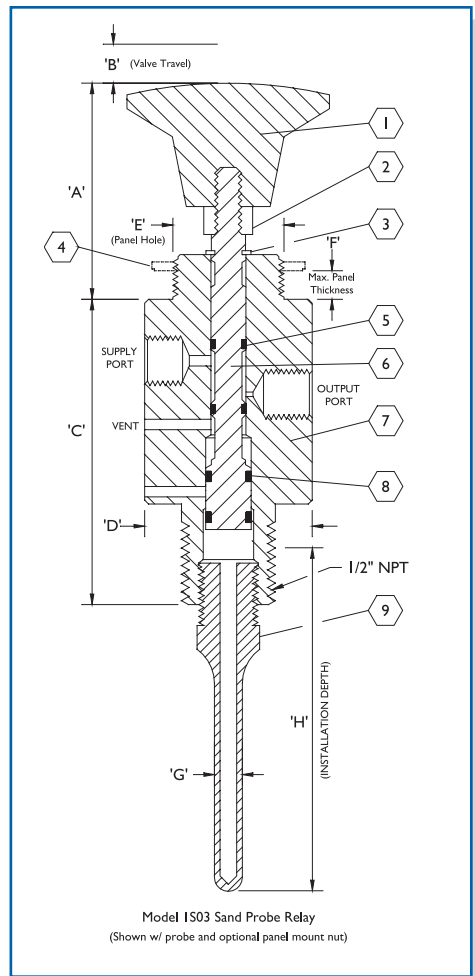
## Sand Probe Relay Model IS03

### FEATURES

- 316 stainless steel construction meets severe service demands. (models to N.A.C.E. MR0175 available).
- Will operate with flowline pressures as low as 100 P.S.I.
- Viton "O-rings" are utilized for dependability.
- "Red Band" on shaft provides visual indication that sand probe relay has operated.
- Knob provided for manually testing the sand probe relay.
- Option for panel mounting offered.
- Probes thru 4" in stock (other sizes available upon request).
- SCH. 80, 160, and XXH probe wall sizes are standard.

### GENERAL DESCRIPTION:

The Ruelco MODEL IS03 Sand Probe relay uses a thin wall steel probe installed directly in a flowline to detect and indicate that excessive erosion or corrosion has occurred. It utilizes a reliable 3-way valve that will bleed off an instrumentation signal and provide visual indication that the probe has lost pressure integrity. This alerts field personnel that inspection of the flowline and possible repair may be required.



Model IS03 Sand Probe Relay  
(Shown w/ probe and optional panel mount nut)

### Parts List For Sand Probe Relay

Item	Qty.	Description	Material	Part No.
1	1	Knob	Phenolic	ZO-200-001
2	1	Lock Nut	AISI 316 St. Stl.	T6-08K-073
3	1	Snap Ring	15-7 St. Stl.	S5-8H00031
4	1	Panel Mt. Nut (Optional)	AISI 316 St. Stl.	10-006-000
5	2	Shaft O-ring	Viton	VO-008-75T
6	1	Shaft	AISI 316 St. Stl.	IS-002-000
7	1	Valve Body	AISI 316 St. Stl.	IS-003-000
8	1	Piston O-ring	Fluorocarbon	VO-107-90H
9*	1	Sand Probe	See Order Code	IS-001-XXX*
10	—	Repair Kit	Items 3,5 & 8	IS-004-000

\*Use last three (3) digits of sand probe order code shown below.

### Specifications P.S.I. (BAR)

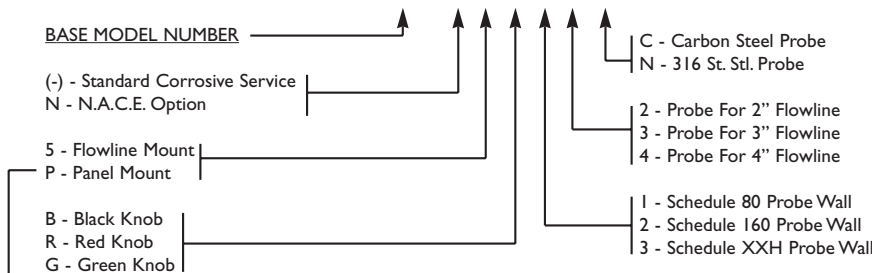
Valve Body Max. W.P.	150 (10.3)
Probe Operation Range	100 (6.7) min. 10,000 (690) max.
Ambient Temperature Range	-20 to 250 deg. F -29 to 122 deg. C
Cv Factor	.34

### Dimensions Inches (MM)

"A"	1.93 (49.0)
"B"	0.28 (7.1)
"C"	2.37 (60.2)
"D"	1.50 (38.1)
"E"	1.06 (26.9)
"F"	0.187 (4.75)

PROBE WALL	SCH. 80 032 WALL (.81)	SCH. 160 .050 WALL (1.3)	SCH. XXH .125 WALL (3.2)
G	.25 (6.4)	.25 (6.4)	.50 (12.7)
PIPE SIZE	2 INCHES	3 INCHES	4 INCHES
H	2.01 (51.1)	2.57 (65.3)	3.08 (78.2)

### Ordering Code: IS03 XXXXXX



**NOTE: If panel mounting the sand probe relay, order adapter IS-005-000.**