

Ruelco



RD-H 2 Way Normally Opened Dump Valve Model 8002

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RD-H

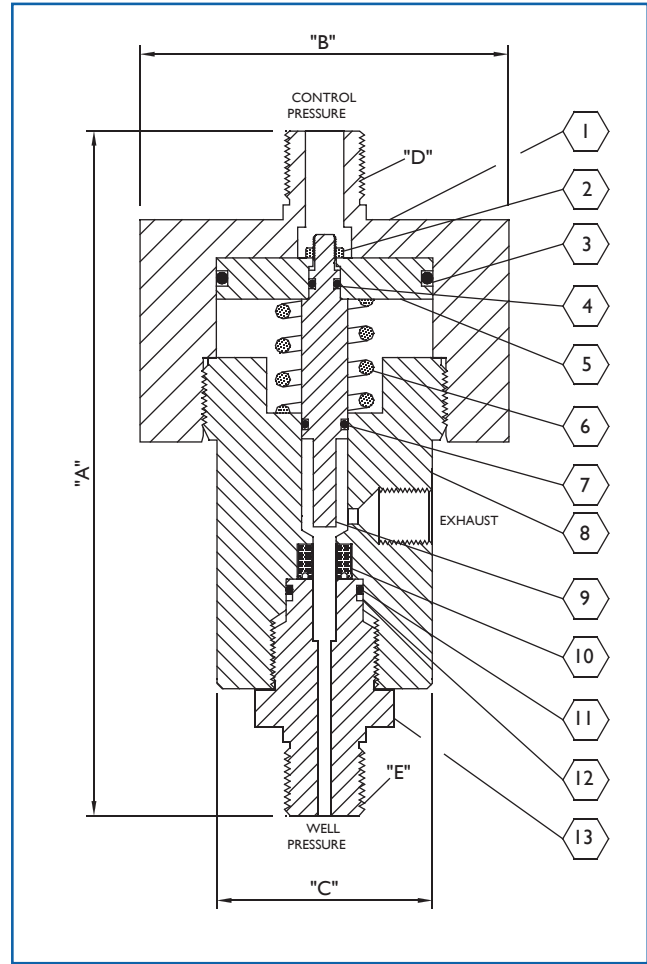
2 Way Normally Opened Dump Valve Model 8002

GENERAL DESCRIPTION:

The Ruelco "RD-H" is a 2-way normally open hydraulic controller that acts as a snap acting vent valve on loss of pilot pressure. This configuration of the Ruelco "RD-H" permits control of hydraulic pressure to 5,000 psi. A control supply of 100 psi is necessary to control 5,000 psi of well pressure. Minimum recommended pilot pressure is 30 psi. A high ratio of hydraulic pressure to pilot control pressure ensures safe operation. A soft seal design provides zero leakage in the hydraulic section.

The internal spring and the hydraulic pressure acting on the spool area act in tandem to open the valve, although each on its own provides sufficient force to open the valve.

Ruggedly constructed stainless steel process wetted parts provide years of reliable service, and the compact and simple design makes field maintenance easy.



Parts List For RD-H Dump Valve

| ITEM | QTY. | DESCRIPTION | MATERIAL | PART No. |
|------|------|-------------|--------------|------------|
| 1 | 1 | CAP | ST. STL. | 80-005-0H0 |
| 2 | 1 | LOCK NUT | ST. STL. | T6-832-044 |
| 3* | 1 | O-RING | VITON ** | VO-129-70H |
| 4* | 1 | O-RING | VITON ** | VO-006-70H |
| 5 | 1 | PISTON | ST. STL. | 80-003-000 |
| 6 | 1 | SPRING | INCONEL | 80-006-000 |
| 7* | 1 | O-RING | VITON ** | VO-009-70T |
| 8 | 1 | BODY | ST. STL. | 80-001-000 |
| 9 | 1 | SPOOL | ST. STL. | 80-002-000 |
| 10* | 1 | POLYPAK | POLYURETHANE | PU-187-70H |
| 11* | 1 | O-RING | VITON ** | VO-014-70H |
| 12* | 1 | BACKUP | DELTRIN | 80-014-3BO |
| 13 | 1 | HEX PLUG | ST. STL. | 80-004-0H0 |
| 14 | 1 | REPAIR KIT | * ITEMS | 80-007-000 |

Dimensions Inch (MM)

| | |
|--------|--------------------|
| A | 5.52 IN (140.2 mm) |
| B | 3.0 IN (76.2 mm) |
| C | 1.75 IN (44.5 mm) |
| D | 3/8" MNPT |
| E | 3/8" MNPT |
| WEIGHT | 3.75 LBS (1.7 KG) |

Specifications PSI. (Bar)

| PILOT SECTION | | HYDRAULIC SECTION | |
|---------------------|-------------------------------|---------------------|-------------------------------|
| MAX. OPER. PRESSURE | 5,000 PSI (347 BAR) | MAX. OPER. PRESSURE | 5,000 PSI (345 BAR) |
| BURST PRESSURE | 10,000 PSI (694 BAR) | BURST PRESSURE | 10,000 PSI (690 BAR) |
| FLUID | AIR OR HYDRAULICS | Cv FACTOR | .25 |
| TEMPERATURE RANGE | -20 TO 160° F -29 TO 70° C | TEMPERATURE RANGE | -50 TO 160° F -45 TO 70° C |

Ordering Code:

8002 X 2000 X

— Standard Service

N — Nace Option

0 — Standard Service

A — Arctic Service