

# Ruelco



**RD-H 2 Way Normally Opened Dump Valve Model 8002**

# RD-H

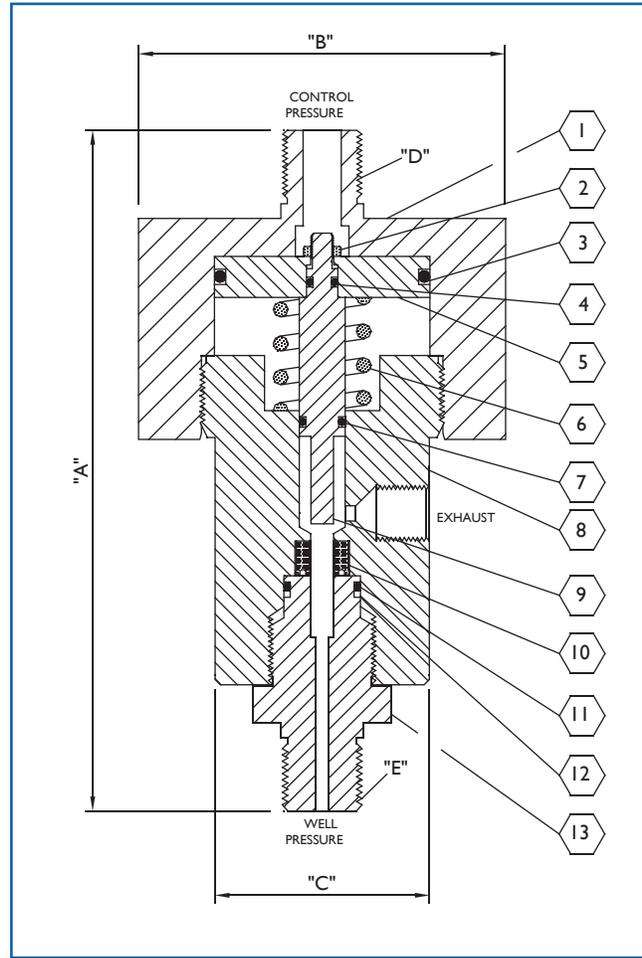
## 2 Way Normally Opened Dump Valve Model 8002

### 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	80-014-3B0
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