

— Function:

Normally Closed, Push to Open, Poppet Style Valve
Designed to hold Nitrogen and Water up to rated working pressures.

Stroke & Flow:

Orifice \varnothing .158 with \varnothing .095 Restriction

Throttle of Flow area = .0125 Inch

Full Flow Achieved at .08" Travel.

Recommended Stroke .09"

Valve is Solid and can be damaged at .13" Travel.

— Installation:

Installation Torque 15-20 Foot Pounds.

Spanner Tool Required. Doering P/N T-3312-ST.

Approved Lubricant may only be used on
O-Ring, -020 Viton and 15/16-20 Threads.

The -014 Seals are installed with a
light coat of approved water applied to
The seals and/or the mating surfaces.

— Pressure Proof Test and Ratings:

Port 1 Pressure Rating:

Working Pressure Rating: 5,000 PSI

Burst Pressure Rating: 10,000 PSI

Port 2 Pressure Rating:

Working Pressure Rating: 2,500 PSI

Burst Pressure Rating: 5,000 PSI

Ports 1 and 2 Proof Test:

2,250 +50/-0 psig

— Materials of Construction include:

All metal parts are Stainless Steel and Passivated.

15-5 PH 1025 and 316 SST.

Springs are: 17-7 CH900, 302 SST.

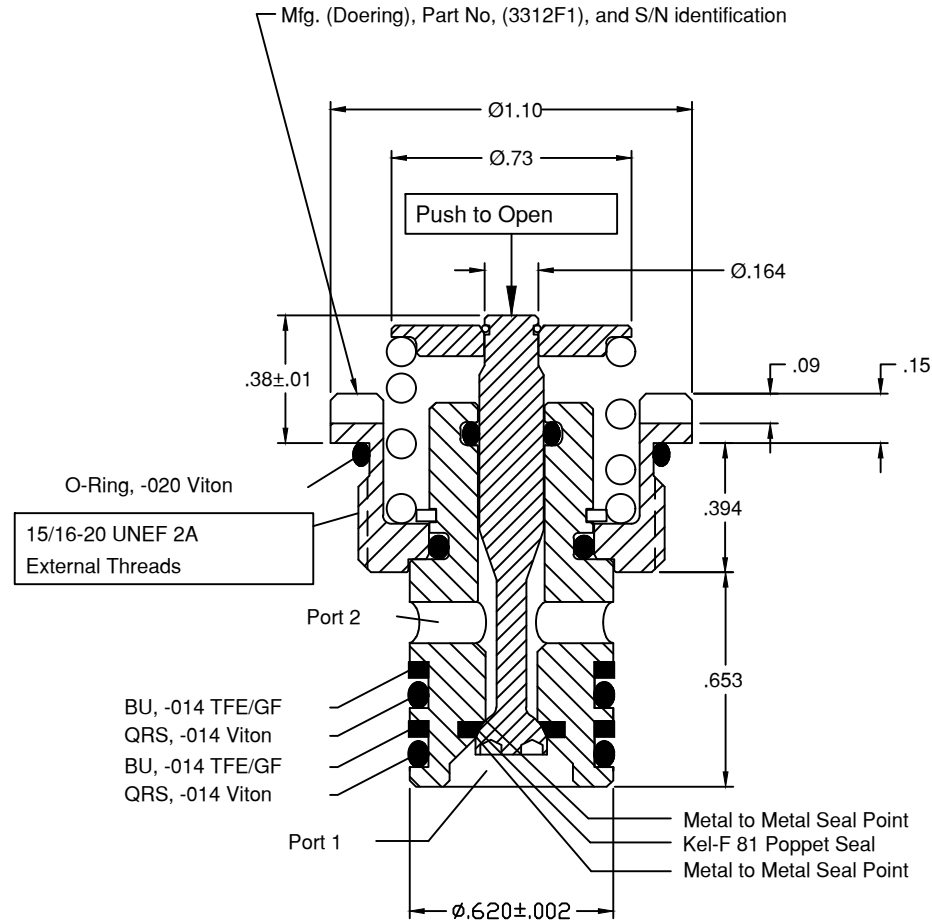
Retaining Rings are: 15-7, 316 SST.

Seal Materials: Viton and Teflon (PTFE).

Back Up Rings: Teflon/GF (glass filled)

Poppet Seal Material: Kel-F 81 (PCTFE)

2



3312F1 Doering Cartridge Valve

Revised: 7/11/14 RFD

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