

DESCRIPTION & SPECIFICATIONS

A SOLENOID-OPERATED, 2-WAY, NORMALLY CLOSED, POPPET-TYPE, PROPORTIONAL, SCREW-IN HYDRAULIC CARTRIDGE VALVE, DESIGNED FOR LOW LEAKAGE BLOCKING AND LOAD-HOLDING APPLICATIONS. WHEN DE-ENERGIZED, THE SP08-20 ACTS AS A CHECK VALVE, ALLOWING FLOW FROM I TO 2, WHILE BLOCKING FLOW FROM 2 TO 1. WHEN ENERGIZED, THE POPPET LIFTS TO OPEN THE 2 TO 1 FLOW PATH.

OPERATING PRESSURE: 3000 psi [207 bar]

MAX INTERNAL LEAKAGE: 5 drops/min. @ 3000 psi [207 bar]

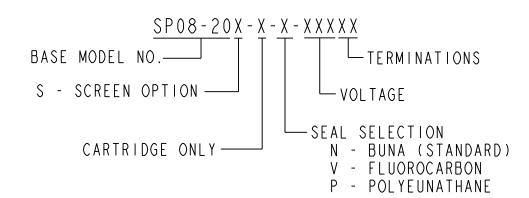
OPERATING TEMPERATURE: -40° TO 120°C

MATERIALS: STEEL WITH HARDENED WORK SURFACES

ZINC-PLATED EXPOSED SURFACES BUNA-N OR VITON O-RINGS

BUNA-N OR TEFLON BACK-UP RINGS

ORDERING INFORMATION



SEAL KIT SK08-2N-T

THIRD ANGLE SCALE PROJECTION 3:2 DO NOT SCALE DRAWING

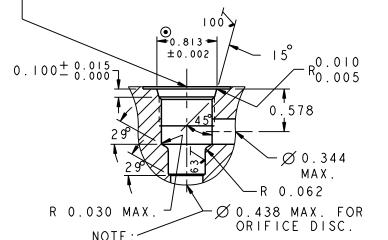
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INSTALLATION

VC08-2

— ØI.188 SPOTFACE x 0.031 DP. # ● Ø 0.502/0.500 x I.156 DP. * ●Ø0.690/0.686 x 0.750 DP. *

● 3/4-16UNF-2B x 0.500 DP. *



CAVITY VARIATION 'A' ** MIN. PILOT DRILL Ø0.438 REQ. TO MIN. DEPTH OF I.8I FROM SPOTFACE.

- THE ABOVE FEATURES (EXCEPT FOR PILOT DRILL & CROSS DRILL) CAN BE MACHINED SIMULTANEOUSLY WITH A FORM TOOL

● - THESE DIAMETERS TO BE CONCENTRIC WITHIN 0.002 T.I.R. AND PERPENDICULAR TO SPOTFACE

WITHIN 0.001 T.I.R.

* - DEPTHS ARE FROM SPOTFACE.

- UNLESS OTHERWISE SPECIFIED ON

MACHINING DRAWING.

- UNSPECIFIED TOLERANCES ARE ±0.005.

** - FEATURES OF VARIATION 'A' ARE ONLY REQ. IF NOTED ON SPECIFIC PRODUCT CATALOG PAGE.

INSTALLATION TORQUE:

CARTRIDGE: 19-21 ft-1b [25.8-28.5 N-m] NUT: 4-5 ft-1b [5.4-6.8 N-m]

HYDRAFORCE®

DESCRIPTION

SOLENOID VALVE NORMALLY CLOSED

DRAWING NUMBER

SHEET I OF 2

SP08-20X-X-X-XXXXX

REV ECN ВΥ

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