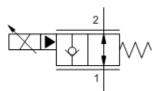
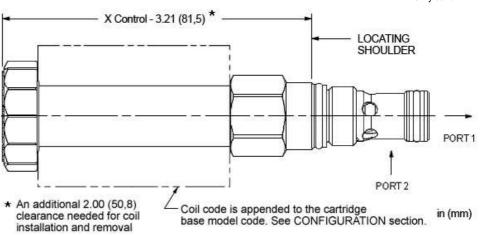


MODEL FPBN





snhy.com/FPBN



This valve is a pilot-operated, normally open, electro-proportional throttle with reverse free-flow check. Energizing the coil generates a closing force on the pilot stage which pushes the main stage poppet against the seat, proportionally blocking flow from port 2 to 1. The check will allow flow from 1 to 2 in either the open or closed condition.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Hysteresis (with dither)	15%		
Linearity (with dither)	3%		
Repeatability (with dither)	3%		
Recommended dither frequency	140 Hz		
Maximum Operating Pressure	210 bar		
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.@210 bar		
Check Cracking Pressure	7 bar		
Viscosity Range	2,8 - 380 cSt		
Deadband, nominal (as a percentage of input)	48%		
Response Time - Typical	50 ms		
Switching Frequency	15,000 max. cycles/hr		
Seal kit - Cartridge	Buna: 990162007		
Seal kit - Cartridge	Viton: 990162006		

• Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.

• An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS			Model Code Ex	ample: FPBNXDN		
CONTROL	(X) FL	OW RATE	(D)	SEAL MATERIAL	(N)	COIL *
X No Manual Override	D	Nominal 5 gpm @ 2 differential (20 L/mi	,	N Buna-N V Viton		No coil * Additional coil options are available