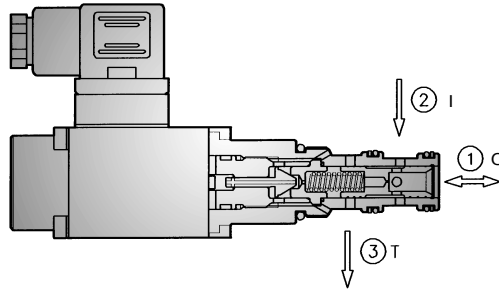
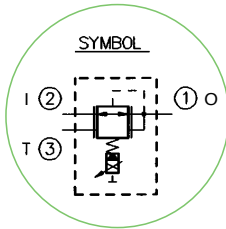


PRESSURE REDUCING AND RELIEVING VALVES (DUMPS) WITH PROPORTIONAL CONTROL

NCS

Typ PPRHN 06



SIZE	06	
NOMINAL PORT SIZE	5	
MAX FLOW RATE	l/min	25
	US gpm	6.5
MAX PRESSURE THROUGH OUTLET ② I	bar	210
	psi	3000
MAX REDUCED PRESSURE THROUGH OUTLET ① O	bar	210
	psi	3000
MAX DUMP FLOW ③ T	l/min	0.6
	US gpm	0.15
SETTING RANGE	bar 20-40-70-150-210	
CAVITY NUMBER	00.95.	0.56
NORMALIZED CAVITY	NCS	06/3
MAX TIGHTENING TORQUE	Nm	50
WEIGHT INCLUDING COIL	Kg	0.57
REF		
CAVITY DIMENSIONS	11.450	
SOLENOID DATA	7.920	

TECHNICAL INFORMATION

OFFSET

Where valves are installed with NDCR drivers, the facility exist of setting a minimum offset current which can determine a minimum working pressure and a more rapid response.

AIR BLEED

For proportional valves to function correctly, the hydraulic circuit must be carefully bled, air trapped in the solenoid can cause irregular operation.

REPETITION ACCURACY

The tolerance on the pressure setting value is within $\pm 1\%$ at maximum flow with open loop circuit.

HYSTERESIS

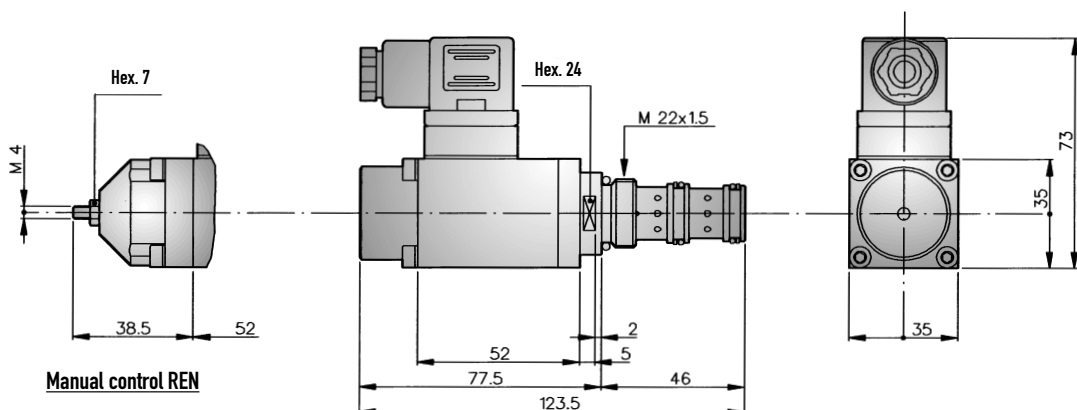
In the open loop applications, control hysteresis is within $\pm 2\%$ of the maximum pressure setting value.

MANUAL CONTROL

By request only, proportional valves can be supplied with a manual control (REN) which allows setting even in the absence of any electrical input to the solenoid.

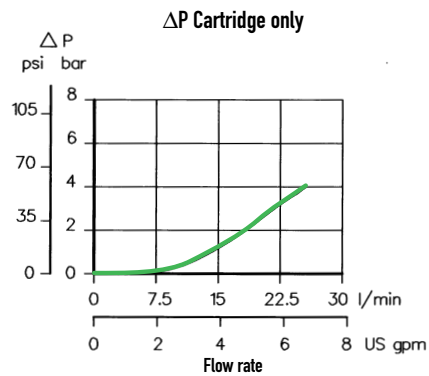
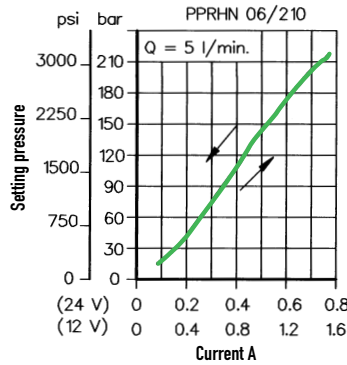
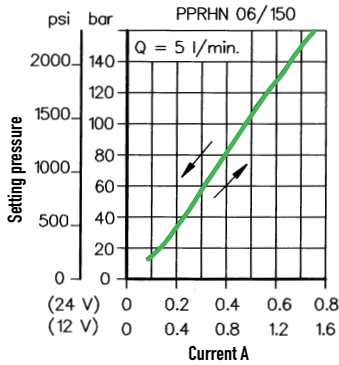
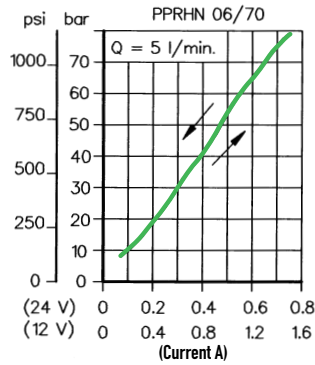
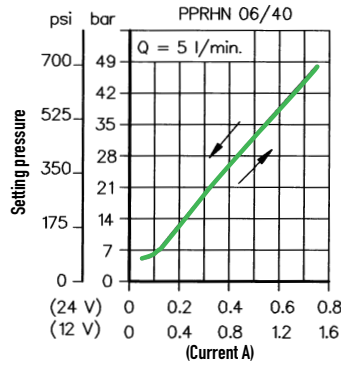
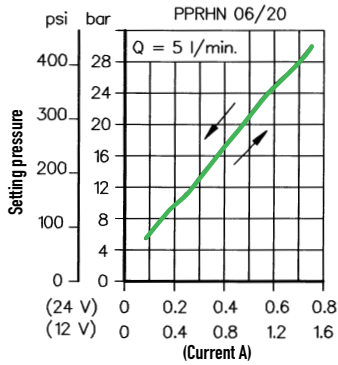
NOTE: For a correct function minimum flow 2 l/min.

DIMENSIONS (mm)



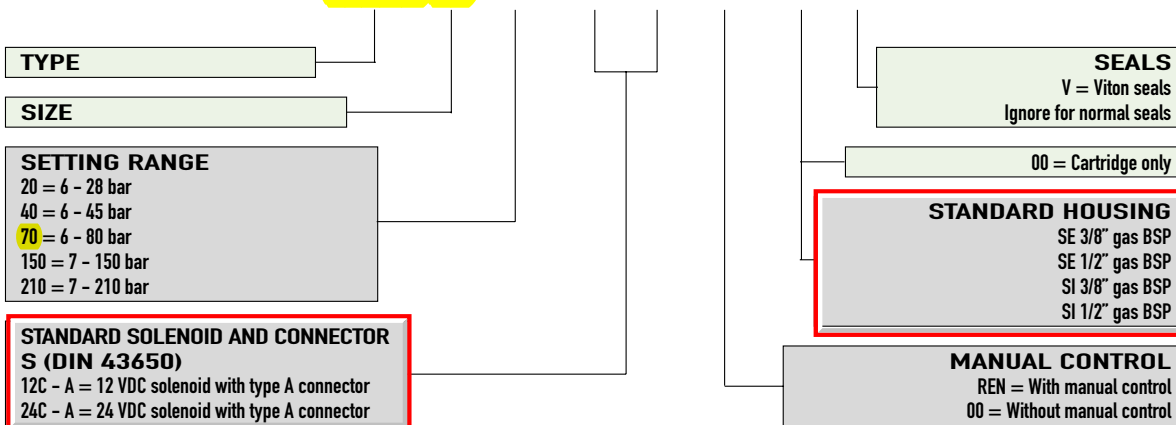
CHARACTERISTIC OPERATING CURVES

Measurements effected at 20°C ambient temperature with mineral oil having viscosity of 26 cSt at 50°C.
Power input to coil at nominal value; temperature: 50°C. ΔP Cartridge only.



EXAMPLE OF ORDER DESIGNATION PPRHN 06

PPRHN 06 / 20 - 24C - A - REN - 00 - V



SPARE PARTS

Set of external seals with back-up washers:
(Packs of minimum 10 sets)
PPRHN 06 = 230.00.007.0

STANDARD CONNECTOR (DIN 43650)
Type A = 088.01.008.0

STANDARD COILS (DIN 43650)
12V D.C. = 17.11.117.1.9
24V D.C. = 17.11.118.1.9