



This assembly consists of pilot-operated, pressure reducing valve which reduces a high primary pressure at the inlet (port 2) to a constant reduced pressure downstream (port 1). Additionally, the assembly provides a reverse flow check that allows free flow from port 1 to 2.

### TECHNICAL DATA

Body Type	Line mount
Mounting Hole Diameter	.41 in.
Mounting Hole Depth	Through
Mounting Hole Quantity	2

### CONFIGURATION

NOTES:

L Control	Standard Screw Adjustment
A Adjustment Range	100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting
N Seal Material	Buna-N
Range Letter(s) of Subordinate Cartridge	4 psi (0,3 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
N Port and Material Designation	Ports 1 & 2 — SAE 20; Port 3 — SAE 6; Gage Port — 1/4" NPTF; Aluminum

- **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.
- For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

**CONFIGURATION OPTIONS**

**Model Code Example: YPGALANAN**

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)
<b>L</b>	Standard Screw Adjustment	<b>A</b>	100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting	<b>N</b>	Buna-N
<b>C</b>	Tamper Resistant - Factory Set	<b>B</b>	50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting	<b>V</b>	Viton
<b>K</b>	Handknob	<b>C</b>	150 - 6000 psi (10,5 - 420 bar), 200 psi (14 bar) Standard Setting		
<b>W</b>	Hex Wrench Adjustment	<b>D</b>	25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting		
<b>Y</b>	Tri-Grip Handknob	<b>E</b>	25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting		
		<b>N</b>	60 - 800 psi (4 - 55 bar), 200 psi (14 bar) Standard Setting		
		<b>Q</b>	60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting		
		<b>W</b>	150 - 4500 psi (10,5 - 315 bar), 200 psi (14 bar) Standard Setting		

**PRIMARY CARTRIDGE**

(A)

<b>A</b>	4 psi (0,3 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>B</b>	15 psi (1 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>C</b>	30 psi (2 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>D</b>	50 psi (3,5 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>E</b>	75 psi (5 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>F</b>	100 psi (7 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>Z</b>	1 psi (0,07 bar) (with PBHB primary cartridge, Pilot-operated, pressure reducing valve)
<b>Z</b>	1 psi (0,07 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>F</b>	100 psi (7 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>E</b>	75 psi (5 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>D</b>	50 psi (3,5 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>C</b>	30 psi (2 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>B</b>	15 psi (1 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)
<b>A</b>	4 psi (0,3 bar) (with PBHB8 primary cartridge, Pilot-operated, pressure reducing main stage with integral T-8A control cavity)

**INCLUDED COMPONENTS**

Part	Description	Quantity
CXGDXAN	Cartridge	1
PBHBLAN	Cartridge - Primary	1