

PMF SERIES

Semi-automatic Changeover System



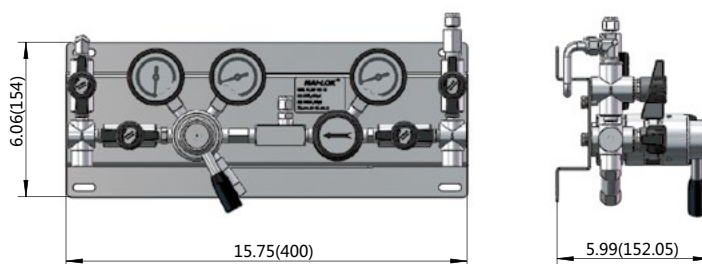
Features

- Single stage.
- For purity, inert, reactive, flammable and oxidizing gas and gas mixtures.
- Hastelloy-internals for corrosive gases
- Uninterrupted gas supply with semi-automatic switch over
- Upgradable to max. 2x4 cylinders.

Technical Data

| | |
|-----------------------|--|
| Body Material | 316 Stainless steel |
| Inlet Pressure | Max. 300 bar |
| Outlet Pressure | 200 psig (13.8 bar) |
| Diaphragm (regulator) | Hastelloy ® / 316 Stainless steel (standard) |
| Operating Temperature | -40°F to 165°F (-40°C to 74°C) |
| Dimension (wxhxd) | 400x154x153 mm |
| Weight | 5.5KG |
| Inlet | 1/4" FNPT |
| Outlet | 1/4" FNPT |
| Optional | Relief valve, hose, tube fitting |

Dimension (mm)



Dimension drawings shown are for reference only.

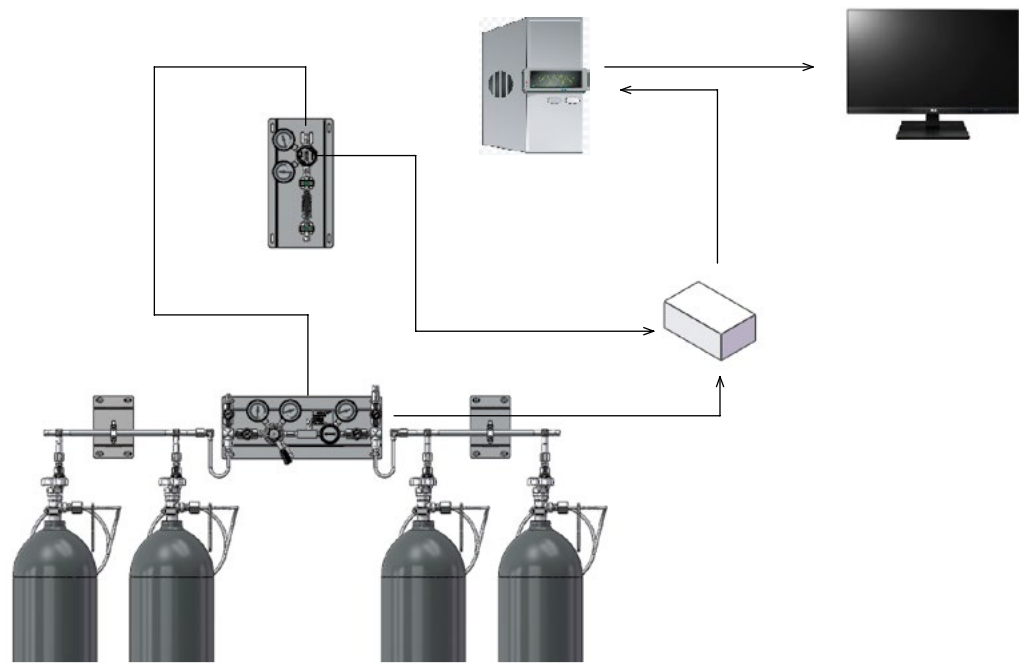
Ordering Information

| PMF | S | 40 | 20 | 4N | 4N | W | |
|--------|-------------------------|-------------------------|-------------------------|---------------------------------|---------------------------------|-----------------------|----------------|
| SERIES | BODY MATERIAL | INLET PRESSURE | OUTLET PRESSURE RANGE | INLET CONNECTION | OUTLET CONNECTION | PURGE VALVE | GAS TYPE |
| PMF | S - 316 Stainless steel | 40-4000 psig 276 bar | 20-200 psig 13.8 bar | 4F - 1/4"NPTF 4N- 1/4"OD | 4F - 1/4"NPTF 4N- 1/4"OD | 0- Without W- With | Please specify |

PMF SERIES

Semi-automatic Changeover System

Installation Example



Description

PMF series is a continuous gas delivery system for high purity gas service, typically in the laboratory or process plant, that changes cylinder or bank priority from the primary source to a reserve supply without transmitting pressure fluctuations to the use line.

How it works?

Semi-automatic panels handle two cylinders(or bundles) at a time.When the pressure decreases in the active cylinder below a preset level which causes a semi-automatic-switch to switch over to the full cylinder, this is achieved by two integrated pressure regulators.Factory set to slightly different delivery pressure levels, which are connected at their outlet ports. Moving the lever towards the full cylinder without interrupt the gas flow after the cylinders at the primary side are changed, the handle is turned thus changing the secondary side (delivering the gas) to the new primary side.

Applications:

- Research purity or corrosive gas supply.
- Hydrogen and other flammable gases.
- Central gas supply system for laboratory research or process plants.



Pigtail

| | |
|----------------------|------------------------|
| Material | 316 Stainless steel |
| Max.Working Pressure | 3500 psi / 241bar |
| Swivel Nut | M14×14.5 or NPT 1/4" M |
| Cylinder Connection | CGA / BSP / GB / JIS |
| Gas Type | Please specify |