

SERIES C 790 | LINESTAR MODULAR POINT OF USE

- Diaphragm single stage
Purity up to 6.0
- Inlet pressure: 50 bar (725 psi)
- Outlet pressure: 1,5/5,5/10 bar (21.75/79.75/145 psi)
- Acetylene version (AD - C₂H₂):
P2=1,5 bar (21,75 psi)

- ★ Accurate pressure delivery
- ★ Compact design
- ★ 1 inlet / 1 outlet
- ★ Rear Inlet for panel mounting: EASY FIX SYSTEM
- ★ Integrated shutoff valve: QUICK VALVE
- ★ O₂ applications compatible (Brass only)

Additional accessories available



See catalogue POU-EN-0216

MAIN ADVANTAGES:

Simplified configuration

- A complete range to cover any types of laboratory configuration
- Each model can be equipped with an optional flow-control valve

Simplified Integration

- Pressure gauge integrated into the pressure regulator
- Compact design, enabling higher density set-ups, up to one POU every 8cm horizontally

High Technology

- Fully compatible with 6.0 gas purity : diaphragm technology on pressure regulator and shut-off valve
- Optimized design to reduce dead-space volumes and purging, for less risk of gas contamination
- Improved chemical compatibility : acetone-resistant pressure regulator window, acids & alkaline resistant covers to increase durability with PTFE/PCTFE joints, HDPE plastics and Hastelloy® diaphragm

Cleanliness & quality :

- all gas-wetted components are cleaned according to our Rotarex 3-STAR quality process
- Each POU is 100% tested with Helium

INSTALLATION ADVANTAGES:

- **The O-ring joints:** On inlet and outlet hold tightly in the fittings and won't fall down during installation, for a cleaner and quicker installation
- **EASY-FIX connector :** all Linestar POU are equipped with Easy-fix pre-positioning system to prevent the rotation of the POU during installation and tightening
- **Filter :** the 60µm mesh filter in the inlet prevents contamination of the regulator by particles during installation

"IN USE" ADVANTAGES:

Look & Feel :

- New redesigned ergonomic pressure regulator and flow-control valves
- 360° visibility of the ¼ turn shut-off valve on top of the POU, for easy checking of the valve opening from far away
- High contrast colors to clearly differentiate the controls from the fixed parts
- Stickers with gas indications enables optimized information transmission

Durability & resistance to chemicals :

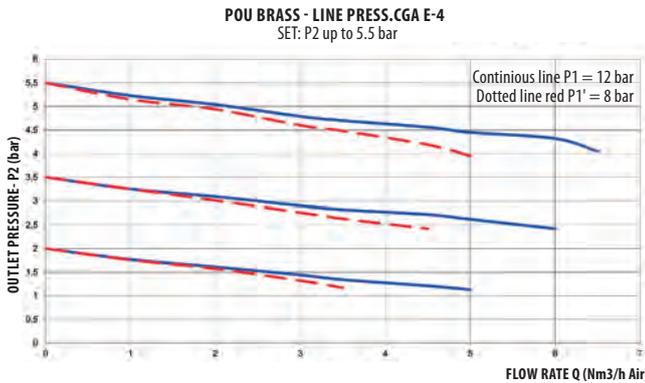
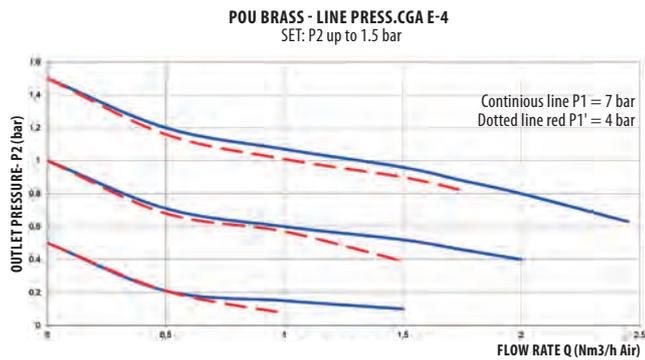
- HDPE strong plastic covers, resistant to shocks, scratches, chemicals and solvents
- Acetone-resistant pressure gauge window to prevent blurring over time



SPECIFICATIONS

Female ports	Inlet : 1/4"NPT Outlet : G1/4 / 1/4"NPT w/adaptor	Plastic parts body	PP	Inlet pressure	50bar (725 psi) C ₂ H ₂ : 20 bar (290 psi)
Seat seal	PCTFE	Weight	900g (Brass or 316L)	Outlet pressure	1,5 / 5,5 / 10 bar 21.75 / 79.75 / 145 psi C ₂ H ₂ : 1,5 bar (21.75 psi)
O-ring	EPDM (brass) FPM (316L)	Leak rate	10 ⁻⁸ mbar l/s He	Nominal Flow	1,2 / 2 / 9 m ³ /h Air
Diaphragm (valve)	HASTELLOY®	Temperature range	-20°C to +60°C -4°F to +140°F	Oxygen use	Inlet pressure ≤ 30 bar (max for brass only)

FLOW CURVES



PRODUCT CONFIGURATOR

