



Tech Master D1G High Flow

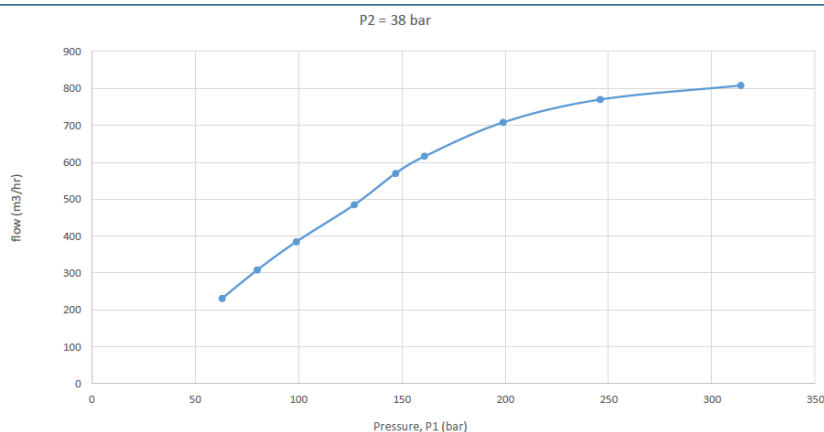
The Tech Master D1G High Flow Regulator and Control Panel



The Tech Master D1G High Flow Regulator is uniquely designed with both a dome loaded and pilot regulator built into a single compact unit. Bringing the benefit of a consistent flow rate intended for High Flow applications (up to 500m³/hr @ 125bar inlet pressure). Typical examples; laser cutting, fire suppression and gas purging. Available in both a regulator and control panel format, control panel is fitted with a high flow valve and a ball valve.



FLOW PERFORMANCE



FEATURES

- **2 Configurations Available** High Flow Wall Mounted Regulator
High Flow Control Panel
- **Hybrid Regulator** Pilot and Dome Design



MATERIAL

- **Body** Brass Barstock
- **Bonnet** Die Casting Alloy No. 5
- **Pilot Diaphragm** Neoprene
- **Dome Piston** Brass CDA 360
- **Nozzles/Seat Holders** Brass CDA 360
- **Seat Stems (Pilot & Dome)** Stainless steel T type 303
- **Seats** Dome Seat Viton®, Pilot Seat Urethane
- **Seals/Piston O-Ring** Viton®
- **Dome Seat Backup Ring** Teflon®
- **Inlet Filter** 50 Micron Sintered Bronze, Electroless Nickel Plated
- **Mounting Bracket** Stainless Steel Type 304

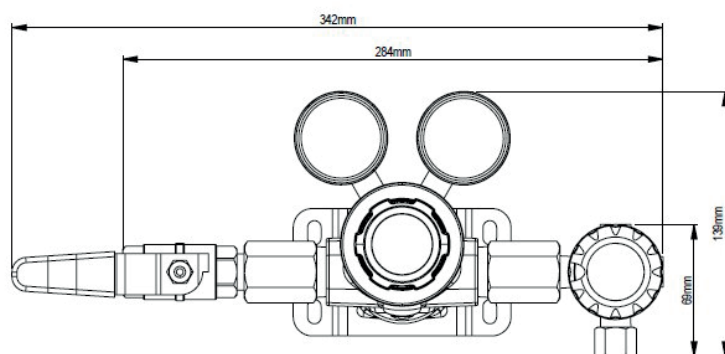
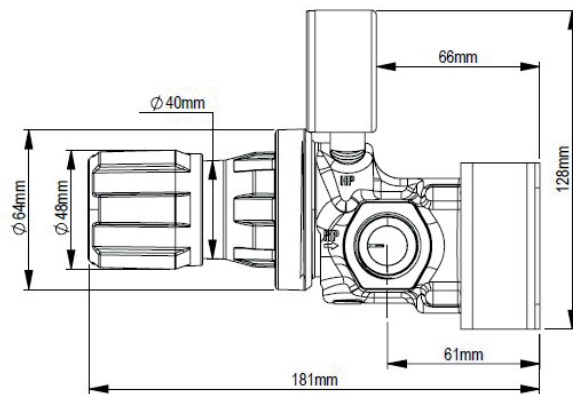
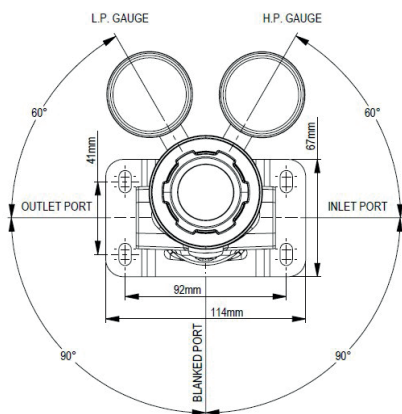


SPECIFICATION

- **Delivery Range** 0 - 38 bar (550 PSI)
- **Max. Inlet Pressure** 300 bar (4350 PSI)
- **Regulator Ports** 3/4" NPT [F] Inlet & 3/4" NPT [F] Outlet
- **Control Panel Ports** 1/4" NPT [F] Inlet & 1/2" BSP [F] Outlet
- **H.P. Gauge** 50mm (2") Diameter
- **L.P. Gauge** 50mm (2") Diameter
- **Standards Compliance** CGA E-4
- **Operating Temp. Range** -20° C to +60° C (-4° F to +140° F)
- **Flow Coefficient (Cv)** 1.02
- **Regulator Weight** 2.05 KG
- **Control Panel Weight** 3.51 KG
- **Gas Compatibility** 300bar Inert
300bar Fuel
230bar Oxygen



DRAWINGS



PART NO. SELECTOR GUIDE

Part No.	Description	Gas
3960067670	TECH MASTER D1G HIGH FLOW WALL MOUNTED REGULATOR	300bar Inert / Fuel Gas*
3960067687	TECH MASTER D1G HIGH FLOW CONTROL PANEL	300bar Inert / Fuel Gas*

* Oxygen Versions will be available as a separate part number, the two configurations above are only suitable for Inert and Fuel gases.



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