



AN ESAB® BRAND

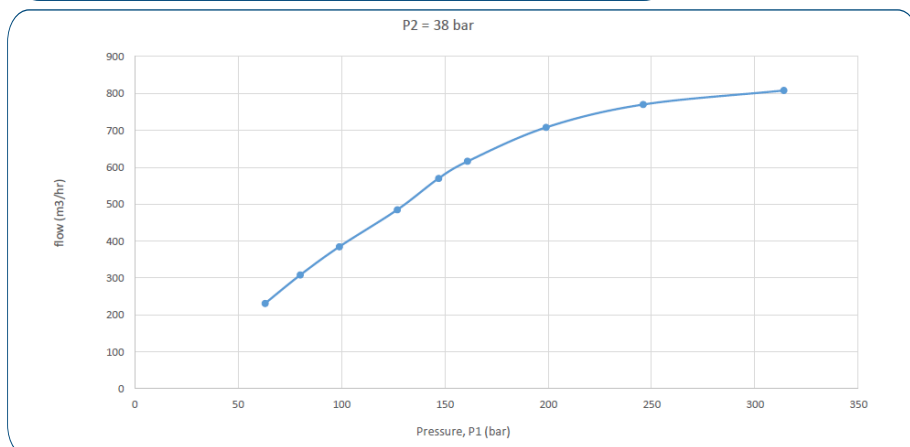
## Tech Master D1G High Flow

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 500m<sup>3</sup>/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

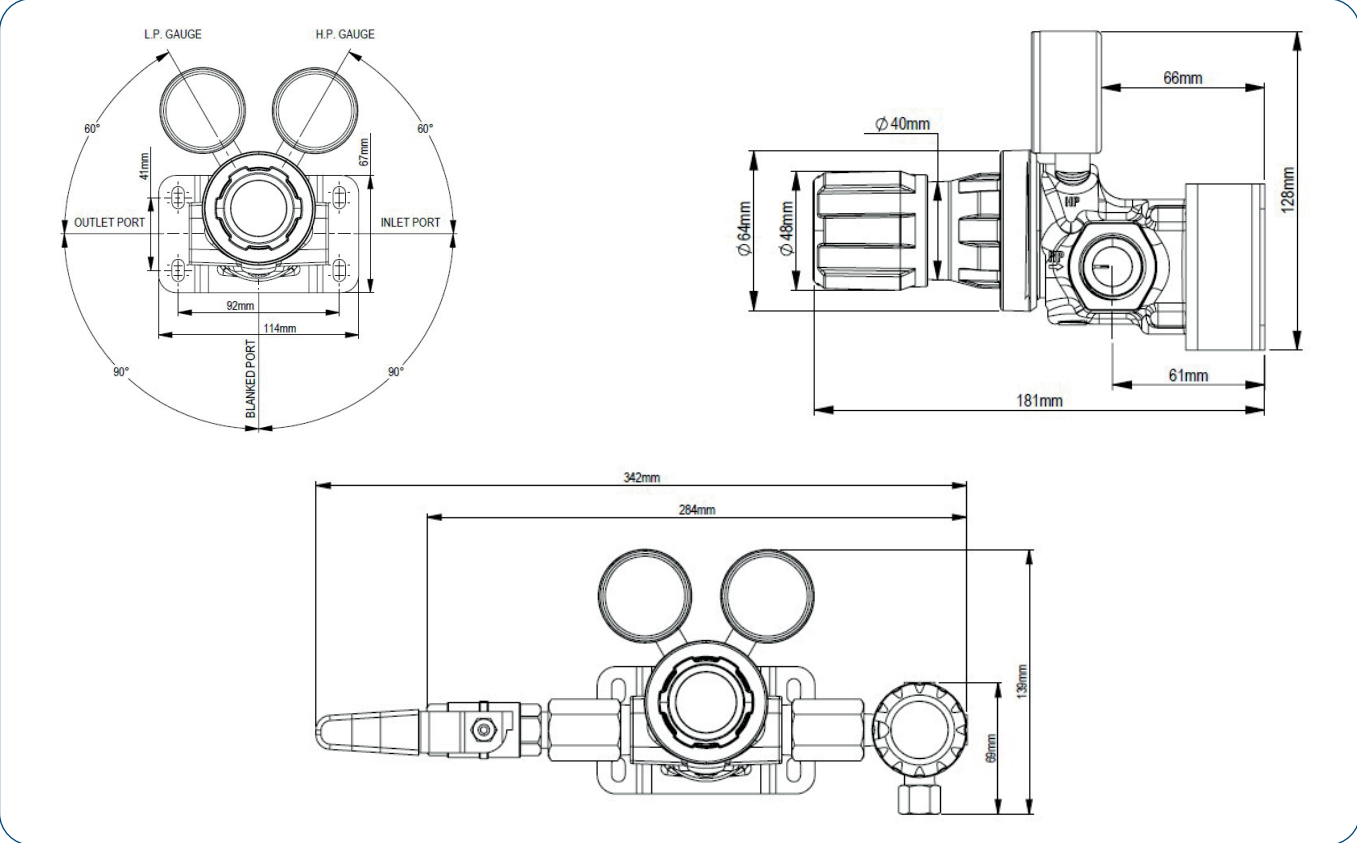
### 🔧 MATERIAL

- 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 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.