

452 SERIES

Medium to Heavy Duty Single Stage Regulators

Gas Welding & Cutting Apparatus

452 Series Regulators

Designed for medium to heavy duty gas welding, cutting, and heating applications.

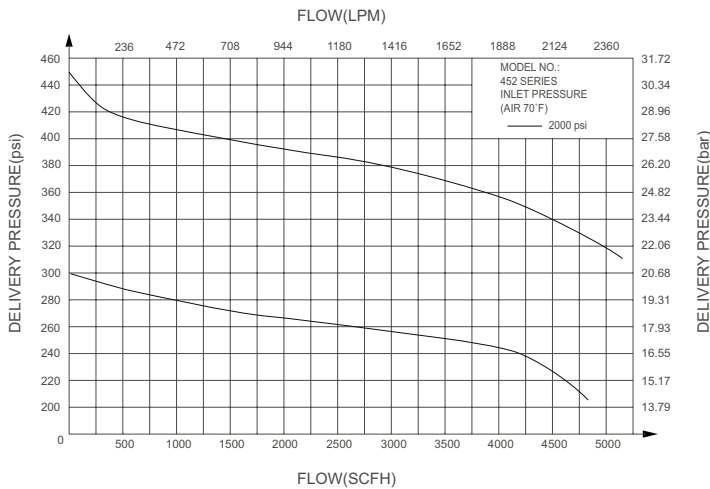
- 2" gauges for easy reading
- Stem-type seat assembly for more reliable performance
- Forged brass body
- Chrome-plated housing cap for fuel gas and oxygen models
- Self re-seating external pressure relief valve on oxygen, inert gas, CO2 and nitrogen models
- Sintered bronze inlet filter
- Weight: 3 lbs (1.36 kg)
- UL listed



452X



452Y



Model Number	Gas Service	Maximum Inlet Pressure	Maximum Delivery Pressure	Inlet Gauge	Outlet Gauge	Inlet Connection	Outlet Connection
452F-40	L.P. GAS	400 psi (28 bar)	2-40 psi (0.14-2.76 bar)	2", 400 psi (28 bar)	2", 60 psi (4 bar)	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
452F-125			5-125 psi (0.35-8.6 bar)		2", 200 psi (14 bar)		
452X-80	OXYGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
452X-175			5-175 psi (0.35-12 bar)		2", 300 psi (20 bar)		
452Y-15	ACETYLENE	400 psi (28 bar)	2-15 psi (0.14-1.03 bar)	2", 400 psi (28 bar)	2", 30 psi (2 bar), RL	BS4, G 5/8"-LH(M)	G 3/8"-LH(M)
452C-175	CARBON DIOXIDE	3000 psi (207 bar)	5-175 psi (0.35-12 bar)	2", 4000 psi (280 bar)	2", 300 psi (20 bar)	BS8, G 0.860"-14RH(F)	G 3/8"-RH(M)
452C-300			20-300 psi (1.38-20.7 bar)		2", 400 psi (28 bar)		
452IN-80	INERT GASES (Ar, He) NITROGEN	3000 psi (207 bar)	4-80 psi (0.28-5.5 bar)	2", 4000 psi (280 bar)	2", 100 psi (7 bar)	BS3, G 5/8"-RH(M)	G 3/8"-RH(M)
452IN-175			5-175 psi (0.35-12 bar)		2", 300 psi (20 bar)		
452IN-300			20-300 psi (1.38-20.7 bar)		2", 400 psi (28 bar)		
452IN-450			30-450 psi (2.07-31 bar)		2", 600 psi (42 bar)		

1 psi = 0.00689 MPa = 6.895 kPa = 0.06895 bar = 0.07 kgf / cm², 1 scfh = 0.0283 m³/h = 0.472 LPM