

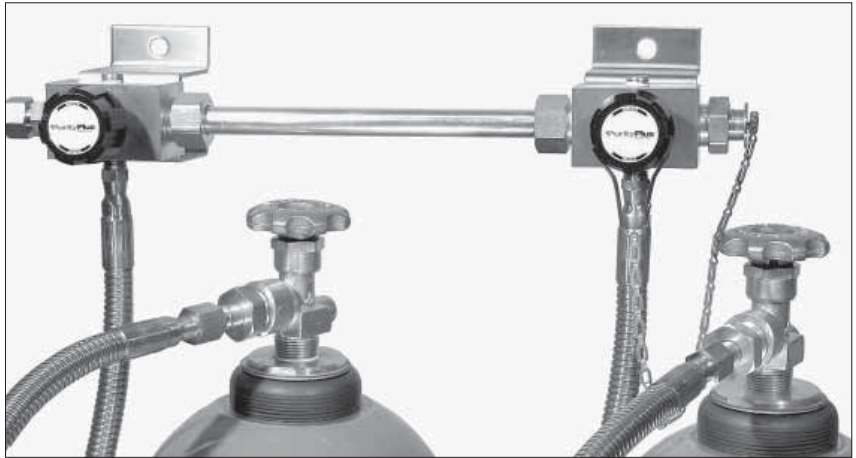
52 Series

maniflex, modular manifolds

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Description

The 52B, 52C and 52S series Maniflex are modular gas distribution systems that may be connected to regulators, dual regulator switchovers, and AutoSwitch systems. A modular gas distribution system allows the user to size the inlet capacity of a system so that cylinder changes will not be as frequent. The Maniflex system provides the user with the capability of purchasing an unlimited number of manifold stations connected to a single header. The Maniflex headers themselves may be purchased as a complete system (unassembled) or as individual components.



Specifications

Maximum Inlet Pressure
3000 PSIG (210 BAR)

Temperature Range
-40°F to 140°F

Header
0.625 OD x 0.188 wall (Brass)
0.625 OD x 0.095 wall (Stainless)

Diaphragm Valve
Brass or stainless steel barstock (Body)
PCTFE (Seat)
303/304 stainless steel (Stems)
Elgiloy® (Diaphragms)

Advanced Features

- Modular Design
Flexible field installation
- Integral Diaphragm Valves
Leak-tight integrity
Independent shut-off capability
- Expandable System
Future growth capability
- Brass, Chrome-Plated Brass or Stainless Steel
No possibility of gas contamination
- Metal to Metal Field-Assembled Joints
Easy leak-tight field assembly
Ease of transportation
- Silver-Brazed or TIG Welded Connectors
Contamination-free installation

Dimensions ("A", "B", and "C" refer to the lengths specified on the diagram below.)

Cylinders per Side	1	2	3	4	5	6	7	8	9	10
"A" Standard (Single Row)	2.5"	14.5"	26.5"	38.5"	50.5"	62.5"	74.5"	86.5"	98.5"	110.5"
"B" Standard (Single Row)	17.891"	29.891"	41.891"	53.891"	65.891"	77.891"	89.891"	101.89"	113.89"	125.89"
"C" Standard (Single Row)	35.781"	59.781"	83.781"	107.78"	131.78"	155.78"	179.78"	203.78"	227.78"	251.78"
Weight Standard (Brass Single Row)	3.45 lbs	7.07 lbs	10.69 lbs	14.31 lbs	17.93 lbs	21.55 lbs	25.17 lbs	28.79 lbs	32.41 lbs	36.03 lbs
Weight Standard (SS Single Row)	3.33 lbs	6.45 lbs	9.57 lbs	12.69 lbs	15.81 lbs	18.93 lbs	22.05 lbs	25.17 lbs	28.29 lbs	31.41 lbs
"A" Compact (Single Row)	2.5"	8.5"	14.5"	20.5"	26.5"	32.5"	38.5"	44.5"	50.5"	56.5"
"B" Compact (Single Row)	17.891"	23.891"	29.891"	35.891"	41.891"	47.891"	53.891"	59.891"	65.891"	71.891"
"C" Compact (Single Row)	35.781"	47.781"	59.781"	71.781"	83.781"	95.781"	107.78"	119.78"	131.78"	143.78"
Weight Compact (Brass Single Row)	3.45 lbs	6.62 lbs	9.79 lbs	12.96 lbs	16.13 lbs	19.3 lbs	22.47 lbs	25.64 lbs	28.81 lbs	31.98 lbs
Weight Standard (SS Single Row)	3.33 lbs	6.27 lbs	9.21 lbs	12.15 lbs	15.09 lbs	18.03 lbs	20.97 lbs	23.91 lbs	26.85 lbs	29.79 lbs

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Ordering Information and Configuration Options

52X	A	B	C	D	-CON
Series	Orientation	Stations	Pigtail Style	Outlet Connection	Pigtail Connection
52B Brass	1: Standard Single Row (right or left) (one cylinder/station)	0: 10 stations 1: 1 stations	0: None 2: 24" Flexible 316 Stainless Steel with Check Valve	1: 1/4" FPT Connection	CGA
52C Chrome-Plated Brass	2: Standard Double Row (right or left) (two cylinders/stations)	2: 2 stations 3: 3 stations	3: 36" Flexible 316 Stainless Steel with Check Valve	2: Cylinder Connection Adapter	DIN 477 BS 341 and others available
52S Stainless Steel	3: Standard Single Duplex (right and left) (one cylinder/station)	4: 4 stations 5: 5 stations	6: 72" Flexible 316 Stainless Steel with Check Valve		
	4: Compact Single Row (right or left) (one cylinder/station)	6: 6 stations 7: 7 stations			
	5: Compact Double Row (right or left) (two cylinders/stations)	8: 8 stations 9: 9 stations			
	6: Compact Single Duplex (right and left) (one cylinder/station)	A: 11 stations B: 12 stations C: 13 stations D: 14 stations E: 15 stations			