



Distribution Manifolds

For Process Instrumentation



ENGINEERING YOUR SUCCESS.

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Air Header Distribution Manifold

LPAHM Series - up to 1000 psi

Parker's air header distribution manifolds are designed to distribute air from the compressor to the actuators on pneumatic instruments, such as steam flow meters, pressure controllers and valve positioners. These manifolds are widely used in industrial chemical processing, plastic processing and energy industries and are approved for low pressure applications up to 1000 psi (threaded end connections).

Manufactured from AISI 316 stainless steel the air header distribution manifold offers complete customer system compatibility that reduces installation time and potential leak paths. The coded welded construction with non destructive tested design minimises the number of potential leak paths, rather than fabricating with instrumentation connections with tubing, therefore reducing labour costs.

The air header distribution manifolds are designed for use with air only and are supplied with a number of lockable ball valves on opposite sides, right side or left side only to prevent unauthorized access.

Product Features

- Lockable handles as standard
- Lightweight ball valve design
- 316L Stainless Steel body
- 2" nominal bore header
- Welded body construction
- Flanged and threaded inlet options
- Four support feet welded for wall mounting

Application

- Air distribution for pneumatic actuation

How to Order

The correct part number is easily derived from the following number sequence

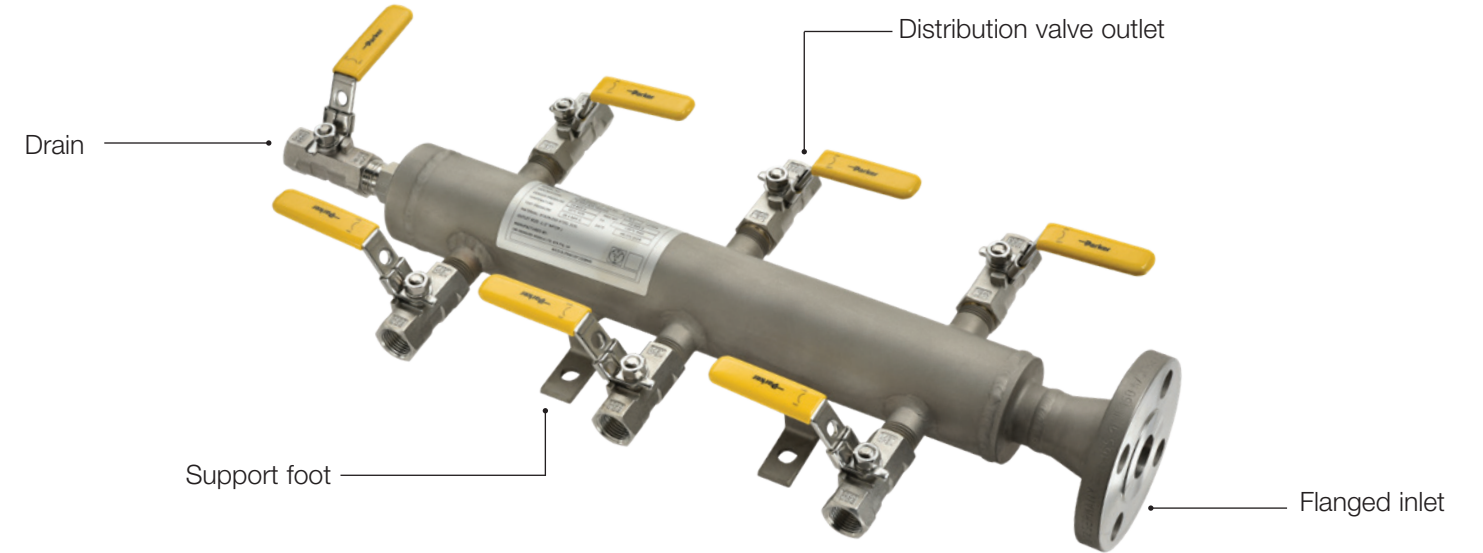
Flanged Inlet Style

LPAHM	S	6	8	F	150	8	N
Series	Material	Number of Distribution Valve Outlets	Inlet Size (inch)	Inlet Connection	Flange Class	Drain Valve Outlet Size (inch)	Drain Valve Outlet Connection
LPAHM Low Pressure Air Header Distribution Manifold	S Stainless Steel	Insert Number From 4-20*	8 1/2	F Raised Face	150 150	8 1/2	N Female NPT
						16 1	

Threaded Connection Ends

LPAHM	S	4	8	R	8	N
Series	Material	Number of Distribution Valve Outlets	Inlet Size (inch)	Inlet Connection	Drain Valve Outlet Size (inch)	Drain Valve Outlet Connection
LPAHM Low Pressure Air Header Distribution Manifold	S Stainless Steel	Insert Number From 4-20*	8 1/2	N Female NPT	8 1/2	N Female NPT
				K BSPT		
				R BSPP		

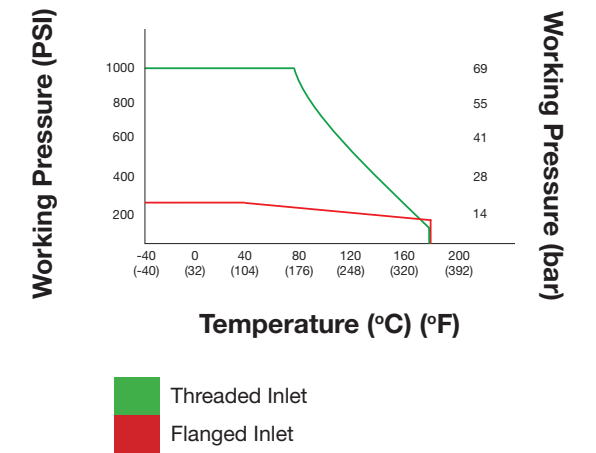
* Max. 10 valves on each side. Even numbers only when specifying Both Sides configuration.



Air Header Distribution Manifold with 6 distribution valve outlets and flanged inlet. Both sides configuration.

Specifications

Central Pipe Body Material	Stainless Steel AISI 316
Ball Material	Stainless Steel 316
Stem Material	Stainless Steel 316
Seat Material	PTFE
Working Pressure	<ul style="list-style-type: none"> • Threaded inlet style: Max. 1000 psi (69 bar) • Flanged inlet style: Max. 275 psi (19 bar) at ambient temp.
Temperature Rating	-40 °C to 180°C



8	N	BVO	Valve Configuration
Distribution Valve Outlet Size (inch)	Distribution Valve Outlet Connection	Drain Options	
8 1/2	N Female NPT	BVO Ball Valve Outlet BPBVO Ball Valve Plugged Outlet BP Plugged Drain CP Plugged Distribution Outlets	- Both Sides R Right Side L Left Side

8	N	BVO	Valve Configuration
Distribution Valve Outlet Size (inch)	Distribution Valve Outlet Connection	Drain Options	
8 1/2	N Female NPT	BVO Ball Valve Outlet BPBVO Ball Valve Plugged Outlet BP Plugged Drain CP Plugged Distribution Outlets	- Both Sides R Right Side L Left Side

Hi-Pro Distribution Manifold

HPAHM Series

Parker's Hi-Pro distribution manifolds are designed for applications that use liquid or gas, low temperature steam and hydraulic actuation. The pressure rating of these manifolds is dictated by the inlet/outlet Flange Class or the thread connection.

These Hi-Pro distribution manifolds feature an ergonomic vinyl sleeve on the valve handle to provide positive grip and ensure ease of operation. Each nut has an innovative domed design, which prevents ingress of moisture and contamination of the thread, therefore preventing corrosion.

They feature a part-welded construction, with all welds carried out by coded welders, providing assurance of their robustness and performance. These manifolds are NDT (Non Destructive Testing) applied, giving the customer greater assurance.

Product Features

- Available with four support feet drilled for mounting for ease of installation.
- Nominal bore body manufactured from a wide thick gauge 316 Stainless Steel
- Domed nuts
- Ergonomic vinyl sleeve
- Coded welding and non-destructive testing (NDT) as standard - guaranteed full penetration welds
- Greater volume capacity

Applications

- Liquid, gas and steam distribution

Product Benefits

- Ease of installation
- Corrosion resistant, eliminated internal scaling
- Domed nuts lock handles into place and prevent dirt and corrosion affecting the threads
- Easy to grip and comfortable
- Reliable, durable and safe
- Supports fluctuations in air compressor supply

Markets

- Oil and gas
- Petrochemical
- Chemical

How to Order

The correct part number is easily derived from the following number sequence

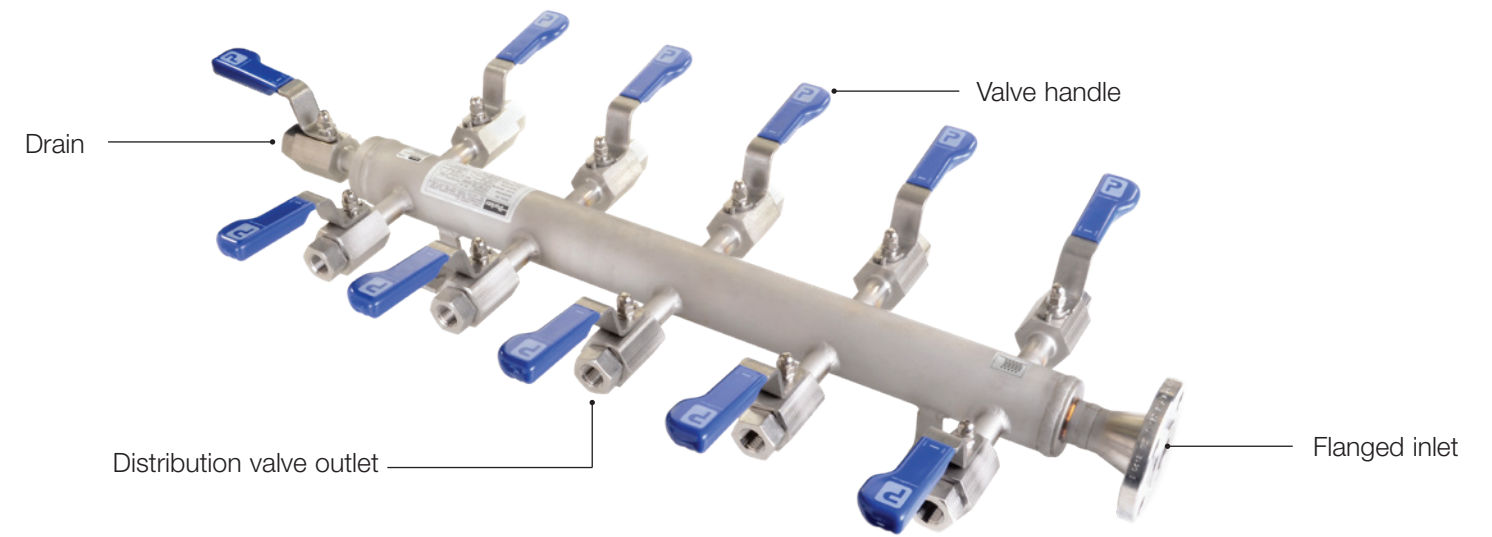
Flanged Inlet Style

HPAHM	S	6	8	F	150	8	N
Series	Material	Number of Distribution Valve Outlets	Inlet Size (inch)	Inlet Connection	Flange Class	Drain Valve Outlet Size (inch)	Drain Valve Outlet Connection
HPAHM High Pressure Distribution Manifold	S Stainless Steel	Insert Number From 4-20*	8 1/2	F Raised Face	150 150 300 300	8 1/2	N Female NPT
			12 3/4			12 3/4	
			16 1	16 1		R BSPP	
			24 11/2	24 11/2			
			32 2	32 2			

Threaded Inlet Style

HPAHM	S	4	8	R	8	N
Series	Material	Number of Distribution Valve Outlets	Inlet Size (inch)	Inlet Connection	Drain Valve Outlet Size (inch)	Drain Valve Outlet Connection
HPAHM High Pressure Distribution Manifold	S Stainless Steel	Insert Number From 4-20*	8 1/2	N Female NPT	8 1/2	N Female NPT
			12 3/4		12 3/4	
			16 1	16 1	R BSPP	
			24 11/2	24 11/2		
			32 2	32 2		

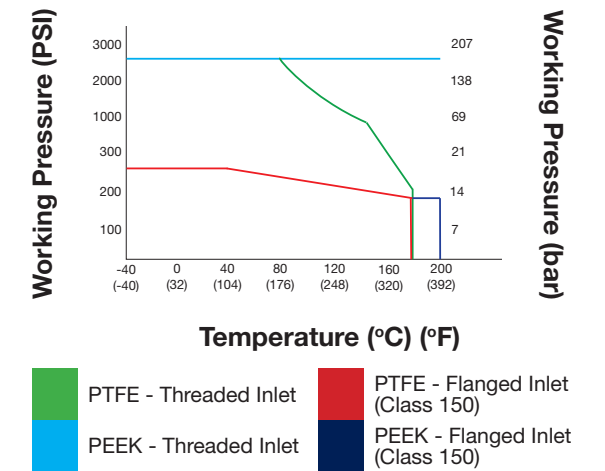
* Max. 10 valves on each side. Even numbers only when specifying Both Sides configuration.



Hi-Pro distribution manifold with 10 distribution valve outlets.

Specifications

Central Pipe Body Material	Stainless Steel AISI 316
Ball Material	Stainless Steel 316
Stem Material	Stainless Steel 316
Seat Material	PTFE (standard), PEEK (optional)
Working Pressure	<ul style="list-style-type: none"> • Threaded inlet style: Max. 2785 psi (192 bar) • Flanged inlet style: dependent on Flange Class
Temperature Rating	-54 °C to 180 °C (PTFE seat) -54 °C to 200 °C (PEEK seat)



M10	A	BVO	Valve Configuration	High Temp. Option (PEEK seat)
Distribution Valve Outlet Size	Distribution Valve Outlet Connection	Drain Options		
4 1/4"	N Female NPT K BSPT R BSPP	BVO Ball Valve Outlet	- Both Sides	HT High Temp.
6 3/8"		BPBVO Ball Valve Plugged Outlet	R Right Side	
8 1/2"		BP Plugged Drain (Outlet)	L Left Side	
8 1/2"	A A-LOK	CP Plugged Distribution Outlets		
M6 6mm				
M10 10mm				
M12 12mm				

8	N	BVO	Valve Configuration
Distribution Valve Outlet Size	Distribution Valve Outlet Connection	Drain Options	
4 1/4"	N Female NPT K BSPT R BSPP	BVO Ball Valve Outlet	- Both Sides
6 3/8"		BPBVO Ball Valve Plugged Outlet	R Right Side
8 1/2"		BP Plugged Drain (Outlet)	L Left Side
8 1/2"	A A-LOK	CP Plugged Distribution Outlets	
M6 6mm			
M10 10mm			
M12 12mm			

Hi-Pro Modular Distribution Manifold

HPDM Series - up to 6,000 psi

Parker's Hi-Pro modular distribution manifolds are the ideal choice when flexibility is required within a distribution manifold. They are approved to operate at pressures up to 6,000 PSI and are used extensively in the oil, gas, chemical and petrochemical industries to provide safety and performance.

These innovative Hi-Pro modular distribution manifolds can be easily arranged in a layout to suit a wide range of different applications to distribute liquid or gas. They use standard components, therefore making it more affordable for the customer.

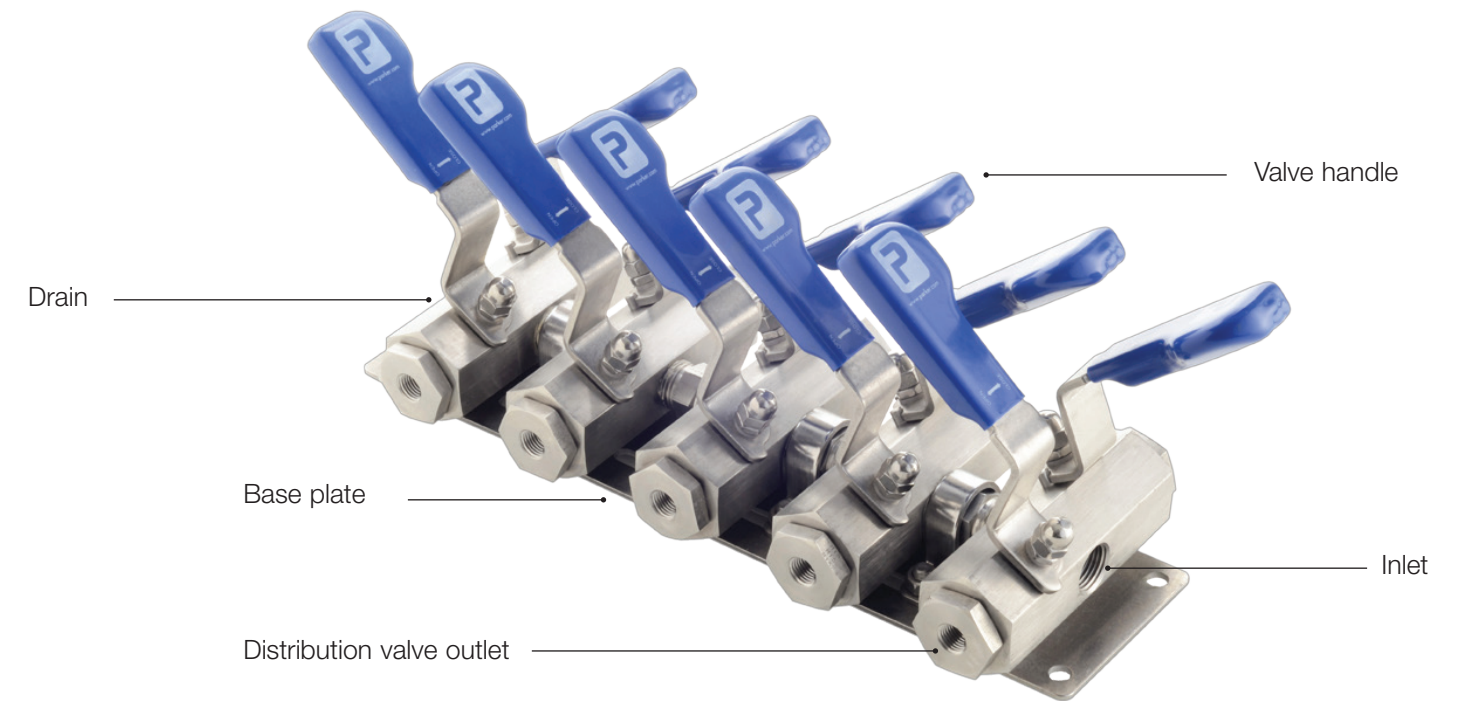
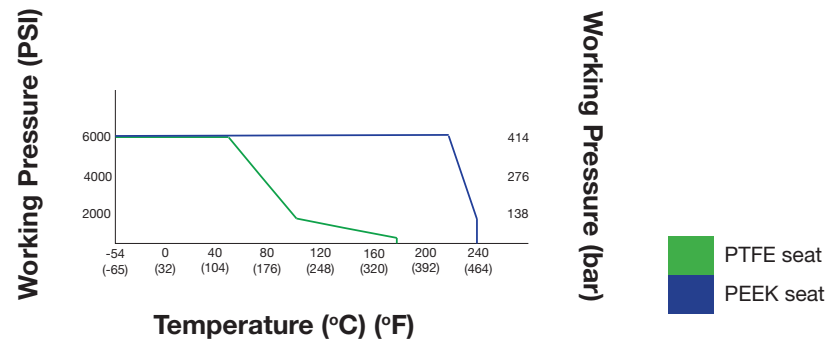
The Hi-Pro modular distribution manifolds feature an ergonomic vinyl sleeve on the valve handle to provide positive grip and ensure ease of operation. Each nut is domed in shape, which prevents ingress of moisture and contamination of the thread, which could cause corrosion. This manifold is available in up to 20 valves (even numbers only - spare valves can be blanked off). Temperature range up to 232°C with PEEK seats.

Product Features

- Manufactured from AISI 316 stainless steel
- Ergonomic vinyl sleeve
- Domed nuts
- Standard wall mounting (also permits mounting to a 2" NB pipe stand)
- Offers flexibility of inlet, with the option to connect a single valve to the inlet to act as a primary isolate valve.

Product Benefits

- Corrosion resistant
- Easy and comfortable to grip
- Domed nuts lock handles into place and prevent dirt or corrosion affecting the threads
- Ease of assembly
- Flexibility in design



Hi-Pro modular distribution manifold with 10 distribution valve outlets.

Specifications

Central Pipe Body Material	Stainless Steel AISI 316
Ball Material	Stainless Steel 316
Stem Material	Stainless Steel 316
Seat Material	PTFE/PEEK
Maximum Working Pressure	6,000 psi (414 bar)
Temperature Rating	-54 °C to 232 °C

Markets

- Oil and gas
- Petrochemical
- Chemical

Applications

- Liquid and gas distribution

How to Order

The correct part number is easily derived from the following number sequence

HPDM	B	6	8	R	8	K
Series	Material	Number of Distribution Valve Outlets	Inlet Size (inch)	Inlet Connection	Drain Valve Outlet Size (inch)	Drain Valve Outlet Connection
HPDM Hi-Pro Modular Distribution Manifold	B Stainless Steel	Insert Number From 4-20	8 1/2	N Female NPT	8 1/2	N Female NPT
			12 3/4	K BSPT	12 3/4	K BSPT
			16 1	R BSPP	16 1	R BSPP

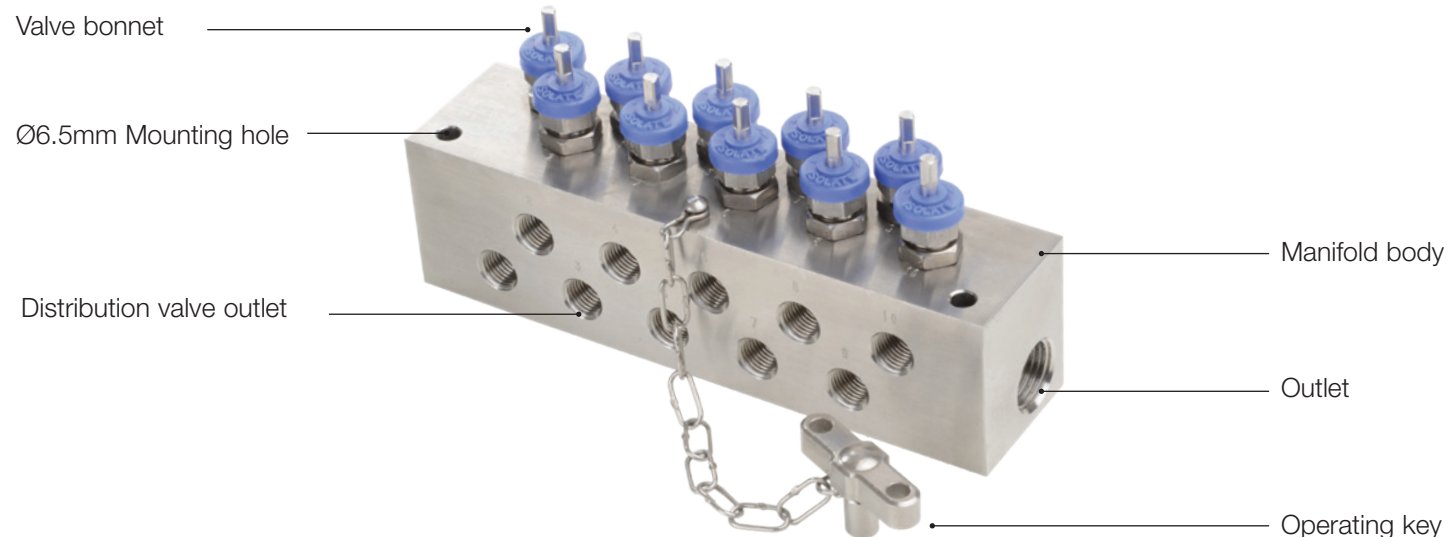
8	N	BP
Distribution Valve Outlet Size (inch)	Distribution Valve Outlet Connection	Drain Options
4 1/4	N Female NPT	BP Plugged Drain (Outlet)
6 3/8	K BSPT	CP Plugged Distribution Outlets
8 1/2	R BSPP	BCP All Outlets Plugged

Compact Distribution Manifold

HCDM Series - up to 6,000 psi

Parker's HCDM Series compact distribution manifolds offer a very compact design, making them suitable for space saving applications. They operate at pressures up to 6,000 PSI and feature all valves on the front face, for ease of accessibility.

These compact distribution manifolds utilise needle valves to enhance their compact design. They feature an anti-tamper key, which avoids unauthorised operator access. The HCDM Series compact distribution manifolds are suitable for use with air and steam applications in the oil and gas, petrochemical and chemical industries. Ideal for panel mounting, these compact distribution manifolds feature all the valves on the front face, for ease of accessibility.



Product Features

- Valve style: globe style needle valve metal/ metal seat with retained operating key
- Material: AISI 316 stainless steel
- Main inlet: 1/2" female pipe thread (NPT)
- Main outlets: 1/2" female pipe thread (NPT)
- Distribution outlets: 1/4" female pipe thread (NPT) as standard.

How to Order

The correct part number is easily derived from the following number sequence

HCDM	S	5	3	PK	K	AT	NC
Series	Material	Number of Distribution Valve Outlets	Packing Material	Tips	Connection	Anti Tamper	Compliance
HCDM Compact Distribution Manifold	S Stainless Steel	5 5 10 10	3 Graphite	9 Kel-F PK PEEK ST Stellite RT Regulating	K BSPT R BSPP	AT Anti-tamper bonnets and loose operating key	NC NACE

Complementary Products



Fittings & Materials (Catalogue 4190-FMTG)

- A complete guide to Parker IPDE's fittings, tubing and materials. Including tubing charts, anti corrosion information together with a comprehensive guide to the complete range of fittings



Process to Instrumentation Valves

- TAMAP 2 star ball or needle valve class A or class B
- Single block and bleed or double block and bleed
- Available in the following materials 316, Duplex or alloy 625
- A-LOK, CPI or BSPP connections
- Flange classes: 600 (covers 150, 300 and 600) class 2500 (covers 900, 1500 and 2500)



H Series Instrument Needle Valves (Catalogue 4190-VMS)

- Compact needle valves
- For applications up to 10,000 psi (690 bar)
- Available with integral A-LOK® or CPI™ connections, reducing leak paths and reducing installation costs
- Soft tipped optional seating available for gaseous applications
- Fire safe option



HBV Series Instrument Ball Valves (Catalogue 4190-HBV)

- Suitable for the most demanding applications in the oil, gas and process control industries
- Integral compression ends available, eliminating taper threads and thread sealants
- Two piece barstock design reduces body leakage paths
- Complies with ANSI/ASME B16.34 requirements where applicable
- NACE MR-01-75/ISO 15156 compliant materials available
- Fire safe option



Parker Grade Tube (Catalogue 4190-FMTG)

- Parker's Instrument tube fittings have been engineered and manufactured to consistently provide high levels of reliability, no systems integrity is complete without considering the critical link, tubing

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