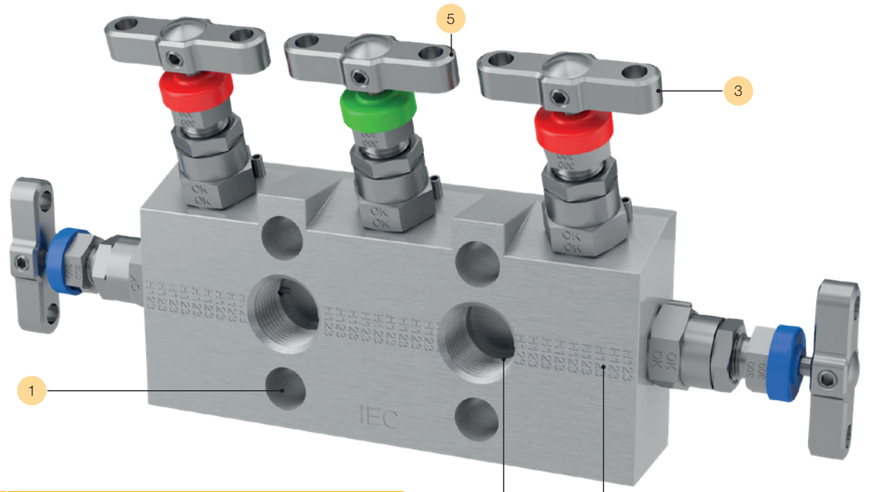
3 and 5-Valve Manifolds - H Series

Introduction

Combining three or five bonnet assemblies into one block, this Parker 3 and 5-valve manifolds range is primarily used in applications requiring Differential Pressure Transmitters, Gauges and/or Chart Recorders mainly for the purpose of flow measurement. In some circumstances, differential pressure measurement will also be used in other applications, such as level or filtration.

In combination with Parker A-LOK® or CPI™ compression tube fittings and PTFree connect™ technologies, a superior advantage is gained allowing users to eliminate threaded connections and reduce leak paths, whilst offering superior installation and operational performance.



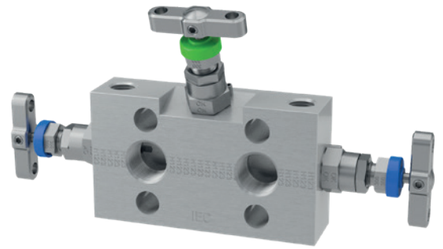
Reference	Description
1	Transmitter instrument mount bolt holes
2	Material heat code traceability
3	Ergonomic T-bar operator
4	Process inlet connection
5	Transmitter equalise valve

BLUE	Isolate/block
RED	Drain/vent/test
GREEN	Equalise

These manifolds are widely used in situations where a differential pressure measurement device requires maintenance, offering safe isolation to allow venting/draining and calibration of that device. They also provide the means for removal and re-installation of an instrument in a live process situation. They are used in every industry in a wide range of applications - everywhere where accurate and secure pressure measurement of steam, air, gas, oil, water or other non-viscous liquids is required.

These manifolds are available in a remote (or line) mount and in a direct mounting style for bolting directly to the face of Differential Pressure Transmitters with an array of input connection styles and types. The unique Parker superior advantage in this regard is being the ability to create a threadless leak-free hook up. Where additional operational security or functionality is required, a number of differing flow path configurations and additional ports are available to allow purging upstream or downstream of the isolation valves.

We are confident you will find a manifold style, type and connection option to suit your applications, but should you require something different or need assistance to make your selection, please contact your local Parker support.

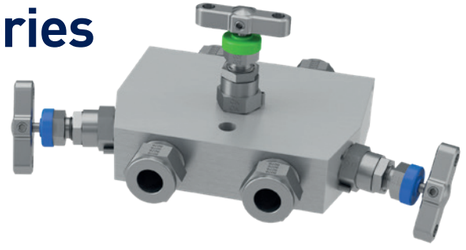


Example shown: 3-valve direct mount manifold with NPT connections and additional test/purge ports.

3-Valve Manifolds - H Series

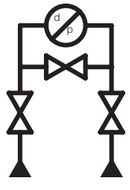
Remote/line mount

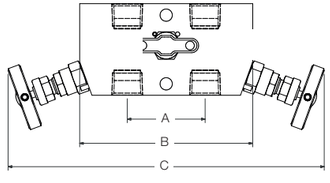
These 3-valve remote mount manifolds combine three needle valves into one unitised block to create Isolation for the instrument impulse lines and an Equalisation feature to assist in installation and maintenance of the remotely connected instrument(s). They are truly flexible having a multitude of available connection options.

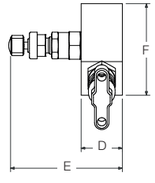


Example shown: 3-valve remote/line mount manifold featuring the Parker A-LOK® Superior Advantage inverted integral tube fitting connections.

HL*3M - Female x Female threaded - NPT

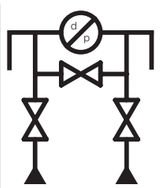


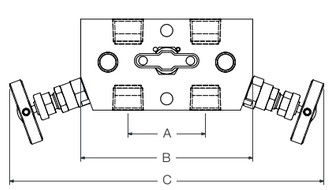


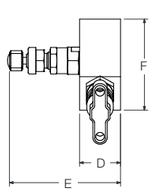


Pressure PSI	Inlet	Outlet	Dimension					
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
6,000	1/2” NPT	1/2” NPT	54.0 (2.125)	120.0 (4.72)	220.0 (8.66)	28.6 (1.13)	79.4 (3.13)	63.5 (2.50)
10,000	1/2” NPT	1/2” NPT	54.0 (2.125)	132.0 (5.20)	232.0 (9.14)	31.8 (1.25)	82.6 (3.25)	63.5 (2.50)

HL*3MDTP - Female x Female threaded - NPT with downstream test ports

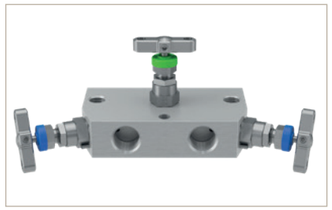


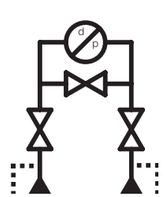


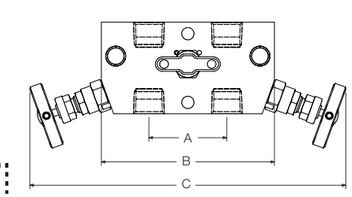


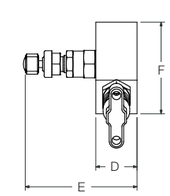
Pressure PSI	Inlet	Outlet	Drain/Bleed/ Test	Dimension					
				A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
6,000	1/2” NPT	1/2” NPT	1/4” NPT	54.0 (2.125)	120.0 (4.72)	220.0 (8.66)	28.6 (1.13)	79.4 (3.13)	63.5 (2.50)

HL*3MUPP - Female x Female threaded - NPT with upstream purge ports







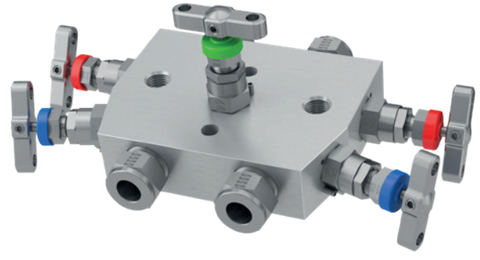


Pressure PSI	Inlet	Outlet	Drain/Bleed/ Test	Dimension					
				A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
6,000	1/2” NPT	1/2” NPT	1/4” NPT	54.0 (2.125)	120.0 (4.72)	220.0 (8.66)	28.6 (1.13)	79.4 (3.13)	63.5 (2.50)

5-Valve Manifolds - H Series

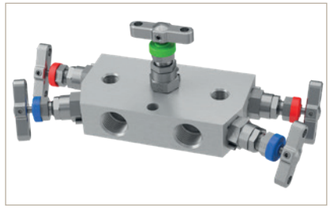
Remote/line mount

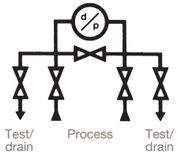
These 5-valve remote mount manifolds combine five needle valves into one unitised block to create Isolation for the instrument impulse lines and an Equalisation feature to assist in installation and maintenance of the remotely connected instrument(s). They also incorporate vent/drain or calibration valves and ports. These manfolds are truly flexible, having a multitude of available connection options and are suitable for use in many applications including those utilising Differential Pressure Gauges.

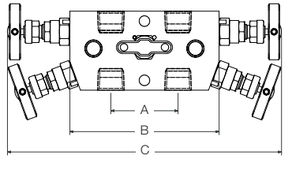


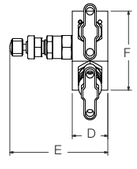
Example shown: 5-valve remote/line mount manifold featuring the Parker A-LOK® Superior Advantage Inverted integral tube fitting connections for the impulse line and NPT ported connections for the vent/ drains.

HL*5M - Female x Female threaded - NPT



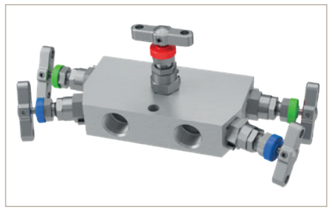


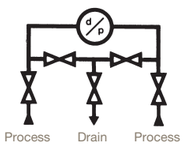


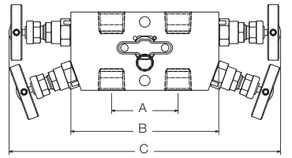


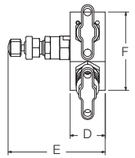
Pressure PSI	Inlet	Outlet	Bleed /test	Dimension					
				A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
6,000	1/2” NPT	1/2” NPT	1/4” NPT	54.0 (2.125)	120.0 (4.72)	221.6 (8.72)	28.6 (1.13)	79.4 (3.13)	63.6 (2.50)
10,000	1/2” NPT	1/2” NPT	1/4” NPT	54.0 (2.125)	132.0 (5.20)	233.6 (9.20)	31.8 ((1.25)	82.6 (3.25)	76.2 (3.00)

HL*5MCT - Female x Female threaded - NPT









Pressure PSI	Inlet	Outlet	Bleed /test	Dimension					
				A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
6,000	1/2” NPT	1/2” NPT	1/4” NPT	54.0 (2.125)	120.0 (4.72)	221.6 (8.72)	28.6 (1.13)	79.4 (3.13)	63.6 (2.50)

3 and 5-Valve Manifolds - Remote/Line Mount

Ordering information

Example 1 (Default): **HLS5M**	**HL**	**S**	**5M**		
Example 2: **HL6MO3M4NHPPATEBKSNC**	**HL**	**6MO**	**3M**	**4N**	**HPPATEBKSNC**
Example 3: **HL6MO3MUPPPFAI44PKPOX**	**HL**	**6MO**	**3MUPP**	**PFAI44**	**PKPOX**
Example 4: **HLS5MSW83PATKVBKNC**	**HL**	**S**	**5M**	**SW8**	**3PATKVBKNC**
Example 5: **HLS5MCTPFCAM126ATKE**	**HL**	**S**	**5MCT**	**PFCAM126**	**ATKE**
Example 6: **HL6MO5MIVAM12PFCAM6**	**HL**	**6MO**	**5M**	**IVAM12**	**PFCAM6**

5-valve remote mount, thread to thread 6,000 PSI manifold, manufactured from 316 Stainless Steel material having 1/2" NPT Fem. connections to inlets and outlets with 1/4" NPT Fem. connections to vents. Gland packing is PTFE.

3-valve remote mount, thread to thread 10,000 PSI manifold, manufactured from 6MO material having 1/4" NPT Fem. connections to inlets and outlets. Gland packing is PTFE. Manifold has Anti-tamper operation to the equalise valve, is fitted to a stainless steel mounting bracket assembly and complies to NACE.

3-valve remote mount, tube to tube manifold, manufactured from 6MO material having 1/4" A-LOK PTFree tube stub con. to inlets and outlets. There are 2 additional 1/4" NPT Fem. upstream test ports - 1/4" NPT blanking plugs supplied. Gland packing is PTFE. Valves are fitted with PEEK soft tip stems; manifold is cleaned suitable for oxygen service.

5-valve remote mount, 6,000 PSI manifold manufactured from 316 SS material having 1/2" NB Fem. socket weld con. to inlets and outlets with 1/4" NPT Fem. vent ports. Gland packing is Graphite. Manifold also includes Anti-tamper operation to the vent valves, is fitted with a Carbon S mounting bracket assembly and complies to NACE. One Anti-tamper key and two 1/4" NPT blanking plugs are also supplied.

5-valve remote mount manifold manufactured from 316 SS having Parker Superior advantage 12mm A-LOK PTFree male union con. to inlets and outlets with 6mm PTFree male union con. to the vents/drains/bleeds. Gland packing is PTFE. Manifold is fitted with Anti-tamper operation to the equalise valve and suppled with one Anti-tamper key.

5-valve remote mount, tube to tube manifold, manufactured from 6MO Aust. Stainless Steel material having Parker Superior Advantage 12mm A-LOK inverted tube connections to inlets and outlets with 6mm A-LOK PTFree male union connections to the vents. Gland packing is PTFE.

Series	
HL	Flat barstock remote/line mount/pipe to pipe/thread to thread manifolds

Materials			
S	316/316L Stainless Steel	**HC**	Alloy C276
6MO	6MO Sup. Aust. St.Steel	**T**	Titanium Gr. 2[1]
M	Alloy M400[1]	**825**	Alloy 825
D1	Duplex 22 Cr. Steel	**625**	Alloy 625
D2	Super Duplex 25 Cr. Steel	**C**	Carbon Steel[2]

[1] This material selection down-rates manifold.
[2] For Carbon Steel consult your local Parker representation.

Application Configuration	
3M	3-valve, isolate and equalise
3MDTP	3-valve, isolate and equalise with downstream vent/drain/bleed/test ports
3MUPP	3-valve, isolate and equalise with upstream purge ports
5M	5-valve, isolate, equalise with vent/test/bleed
5MCT	5-valve, isolate, equalise with vent/test/bleed suitable for Custody Transfer applications

Connections - Standard Options			
	Inlet	**Outlet**	**Vent**
*	1/2" NPT Fem.	1/2" NPT Fem.	1/4" NPT Fem.
4N	1/4" NPT Fem.	1/4" NPT Fem.	1/4" NPT Fem.
4K	1/4" BSPT Fem.	1/4" BSPT Fem.	1/4" BSPT Fem.
4R	1/4" BSPP Fem.	1/4" BSPP Fem.	1/4" BSPP Fem.
8K	1/2" BSPT Fem.	1/2" BSPT Fem.	1/4" BSPT Fem.
8R	1/2" BSPP Fem.	1/2" BSPP Fem.	1/4" BSPP Fem.
SW8	1/2" NB Fem. SW[3]	1/2" NB Fem. SW[3]	1/4" NPT Fem.

Optional Connections

Type		**Fitting**	**Unit**	**Inlet/Outlet**	**Bleed/Vent/ Drain**
IV	Inverted Connection Tube OD[4]	**A** A-LOK	**M** Metric	**6** 6mm **10** 10mm **12** 12mm	**4F** 1/4" NPT[6]
PF	PTFree connect tube stub[5]	**Z** CPI	**I** Imperial	**4** 1/4" **6** 3/8" **8** 1/2"	
PFC	PTFree connect male union[5]				

[6] 1/4" NPT Fem. is default standard for bleed/vent/drain, some model types may be available with other connections.

* Default connection, no designator required.
Default standard manifolds require no additonal designators. Example: 1/2" NPT Fem. inlet & 1/2" NPT Fem. outlet & 1/4"NPT Fem. vent = **HL*5M** (as above)
As connection choices vary, all connections must be designated. **Examples:**
- 1/2"BSPP Fem. inlet & 1/2"BSPP Fem. outlet & 1/4"NPT Fem. vent = **8R4F**
- 1/2"BSPP Fem. inlet & 1/2"BSPP Fem. outlet & 1/4"BSPT Fem. vent = **8R4K**

[3] As standard, valves with Female Socket Weld connections will be of the same length as per the equivalent NPT pipe threaded variants.

[4] **Examples:**
- 10mm A-LOK inverted inlet/outlet & 1/4" NPT Fem. vent/drain = **IVAM104F**
- 10mm CPI inverted inlet/outlet & 1/4" NPT Fem. vent/drain = **IVZM104F**
- 12mm A-LOK inverted inlet/outet & 6mm vent/drain = **IVAM126**
- 1/2" A-LOK inverted inlet/outlet & 1/4" vent/drain = **IVAI84**

[5] **Examples:**
- 10mm A-LOK tube stub con. inlet/outlet & 1/4" NPT Fem. vent/drain = **PFAM104F**
- 3/8" CPI male union con. inlet/outlet & 1/4"NPT Fem. vent/drain = **PFCZI64F**
- 12mm A-LOK male union con. inlet/outlet & 6mm A-LOK vent/drain = **PFCAM126**

OPTIONS	
High Pressure - 10,000 PSI (689 bar) option	
HP	High Pressure
Gland Packing Options	
3	Graphite[7]
FS	Firesafe design[8]
Seating Options - Needle Valves only	
6S	6mm bore seat[9]
RT	Regulating/Metering Tip
ST	Stellite Tip
9	PCTFE Soft Tip[10]
PK	PEEK Soft Tip
Plug/Bleed Valve Options[11]	
P	Blank Plug
BV	Bleed Valve/Plug
PBV	Blank Plug and Bleed Valve/Plug
Operator Options[12]	
HW	Handwheel for all valves
LHW	Handwheel Locking for all valves
THL	T Bar Locking for all valves
AT	Anti-Tamper for all valves[13]
ATK	Anti-Tamper for all valves with Key[14]
ATHKEY	Anti-Tamper Key[15]
Mounting Options	
BK	Assembled with Carbon Steel bracketry & bolts
BKS	Assembled with Stainless Steel bracketry & bolts
Other Options	
OX	Cleaned & lubricated for Oxygen use
NC	NACE MR-01-75 Compliant
M*	Assembly and Test of Free Issue Instrument

[7] Not required when Firesafe design option (**FS**) selected.
[8] Not available for PCTFE Soft Tip (**9**) or Oxygen use (**OX**).

[9] 6mm bore seat and other flow passages not available on all selections. Please consult your local Parker support.

[10] 3,000 PSI/207 BAR only. See main catalogue page.

[11] Plugs supplied loose in a packing box. See page 61.

[12] These options can be specified to independent valves:
Add **E** to specify assembly to Equalise valve only.
Add **I** to specify assembly to Isolate valves.
Add **V** to specify assembly to Vents/Drains/Bleeds.
Examples:
- **HWV** = Handwheel to Vents/Drains/Bleeds.
- **ATE** = Anti-Tamper to Equalise valve.

[13] Anti-Tamper operation and no Key.
[14] Anti-Tamper operation and one Key supplied per manifold.
[15] Specify quantity required as separate line item.

* Specify assembly and test option - see page 71.

IMPORTANT NOTES:

- For optimum results in integral tube connections on manifolds, the use of Parker pre-assembly tooling is highly recommended. For inverted style integral tube connections the use of Parker pre-assembly tooling is mandatory.
- Not all options/combinations are available in each single product model type.
- We reserve the right to review/revise this part number structure at any time. If necessary, we can refuse and/or recommend the most suitable alternative part number(s). We may also apply MOQ rules.
- Should your part number selection exceed 25 characters in length when completed, then it is likely to be incorrect, please consult your local Parker representation for assistance.
- If in any doubt, please consult your local Parker representation.

Mounting Brackets

Brackets for remote/line mount manifolds and gauge valves

Brackets for 3 and 5-valve remote mount manifolds - BKT2

- Universal manifold mounting bracket, suitable for all remote mount manifolds
- Allows 90 degree positioning enabling total installation flexibility and prevents handle obstruction
- Can be wall, standpipe or base mounted

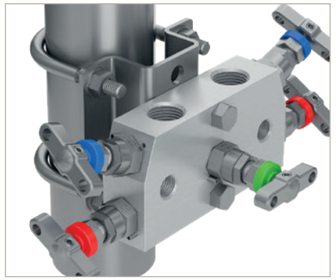
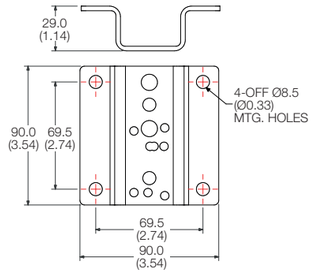


Image shown: Part No.: HLS5MBK

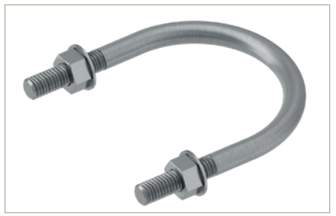
Image shown: Part No.: BKT2SSB5



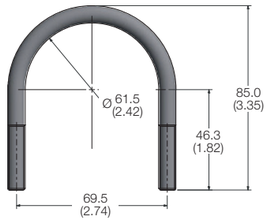
How to order:

Item	Part Number		Suitable for Manifold Type
	Bracket material: Carbon Steel	Bracket material: Stainless Steel	
Bracket with M8 'U' Bolt and manifold Bolt Kit (Nuts and washers: **M8 x 45 Bolt (2-OFF)**	BKT2CSB5	BKT2SSB5	HL*3MDTP HL*5M HL*5MHP

'U' bolt with nuts and washers for 2" NB standpipe



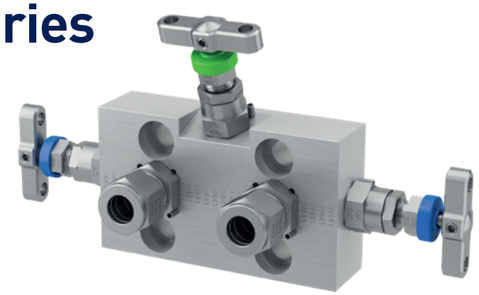
Bracket kits include U bolts with nuts and washers.



3-Valve Manifolds - H Series

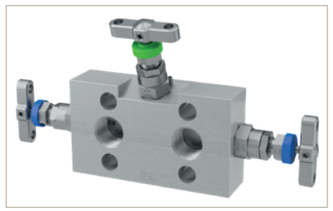
Direct mount

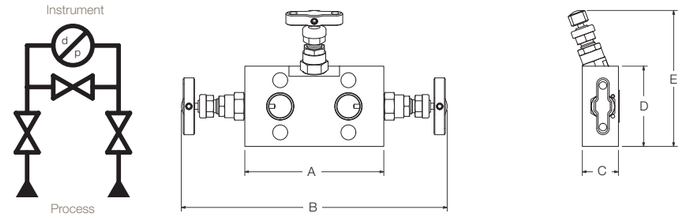
These 3-valve direct mount to differential pressure transmitter manifolds combine three needle valves into one unitised block to create Isolation for the instrument impulse lines and an Equalisation feature to assist in installation and maintenance. They comply fully with IEC 61518 and have a multitude of advantageous connection & application options.



Example shown: 3-valve manifold with PTFree connect™ connection.

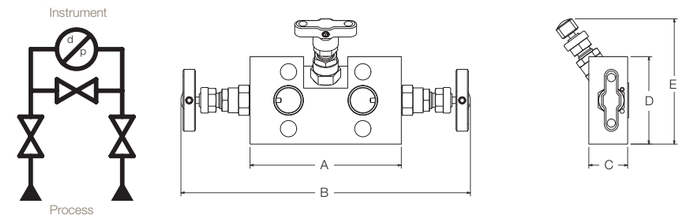
HD*3M - Female threaded - NPT x Flanged





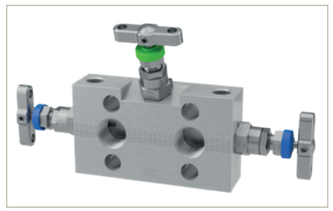
Inlet	Outlet	Dimension				
		A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	110.0 (4.33)	211.6 (8.33)	28.6 (1.13)	63.5 (2.50)	107.6 (4.24)

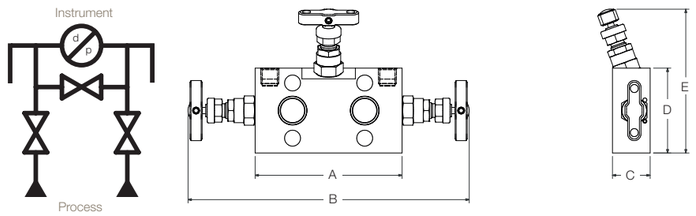
HD*3MA - Female threaded - NPT x Flanged



Inlet	Outlet	Dimension				
		A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	110.0 (4.33)	211.6 (8.33)	28.6 (1.13)	63.5 (2.50)	91.0 (3.58)

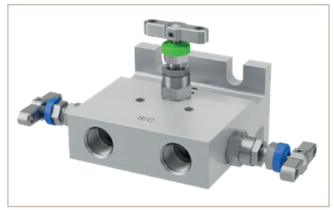
HD*3MDTP - Female threaded - NPT x Flanged with downstream test ports

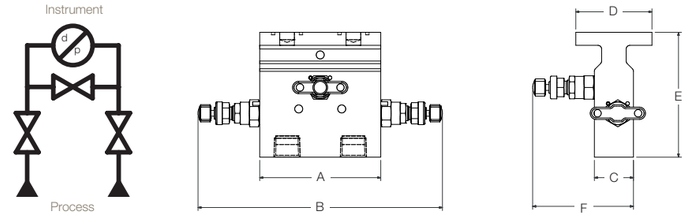




Inlet	Outlet	Dimension					
		A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
1/2” NPT	Flanged	33.0 (1.30)	110.0 (4.33)	211.6 (8.33)	28.6 (1.13)	63.5 (2.50)	107.6 (4.24)

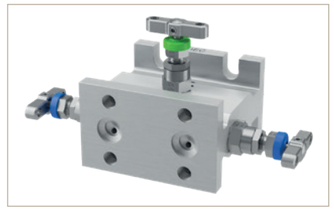
HET*3 - Female threaded - NPT x Flanged

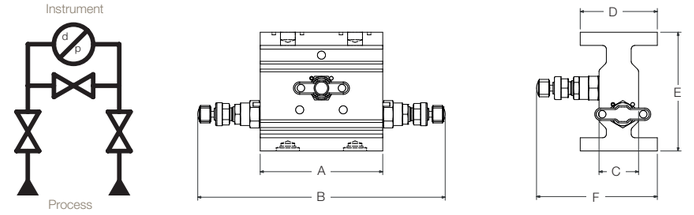




Inlet	Outlet	Dimension					
		A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
1/2” NPT	Flanged	98.5 (3.88”)	200.1 (7.88”)	31.8 (1.25”)	62.0 (2.44”)	101.6 (4.00”)	82.6 (3.25”)

HEH*3 - Flanged x Flanged





Inlet	Outlet	Dimension					
		A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
Flanged	Flanged	98.5 (3.88”)	200.1 (7.88”)	31.8 (1.25”)	62.0 (2.44”)	96.4 (3.80”)	97.7 (3.85”)

Recognising and understanding the direct mount transmitters*

Manifolds mount to this IEC compliant interface
- Pressure applications utilise 2-valve manifolds bolted with 2 bolts
- Differential applications utilise 3 or 5-valve manifolds bolted with 4 bolts

7/16” UNF mounting holes

Connection centres are 2 1/8” (54mm)

Bolt hole centres are 2 1/8” (54mm) x 1 5/8” (41mm)

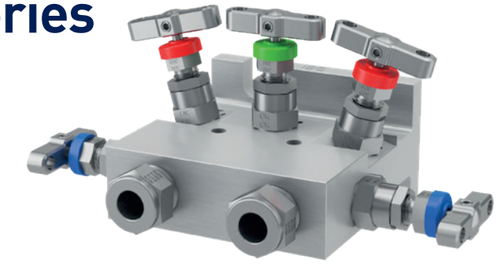
Typical installation

* Not Emerson Coplanar™ types – For Coplanar™ please see page 55.

5-Valve Manifolds - H Series

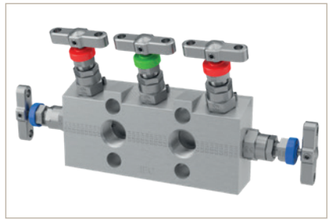
Direct mount

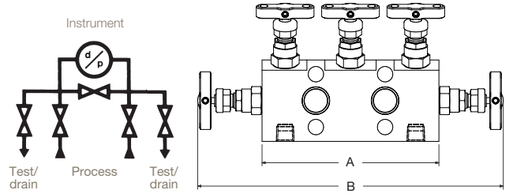
These 5-valve direct mount to differential pressure transmitter manifolds combine five valves into one block, creating Isolation for the instrument impulse lines and an Equalisation feature to assist in installation & maintenance. They additionally offer independent vent/drain/bleed/calibration facilities with their own individual ports. These manifolds comply fully with IEC 61518. They also feature multitude of advantageous connection & application options.



Example shown: 5-valve extruded direct mount manifold with Parker Superior Advantage fully integrated inverted A-LOK® tube fitting connections.

HD*5M - Female threaded - NPT x Flanged

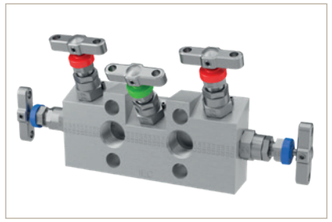


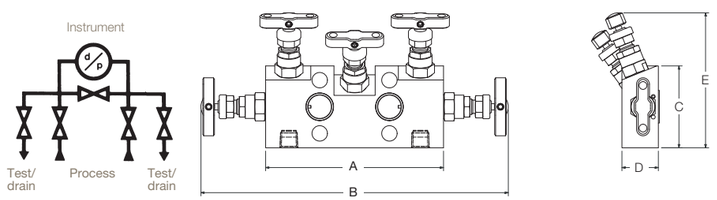


Inlet	Outlet	Bleed/Test	Dimension				
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	1/4” NPT	138.0 (5.43)	239.6 (9.43)	63.5 (2.50)	28.6 (1.13)	107.6 (4.24)

HD*5MFD variant available with vent/bleed/drain connections on same face as process inlet.

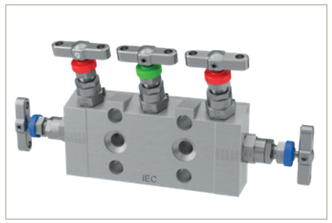
HD*5MA - Female threaded - NPT x Flanged

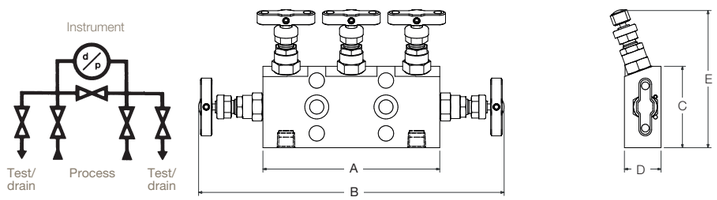




Inlet	Outlet	Bleed/Test	Dimension				
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	1/4” NPT	138.0 (5.43)	239.6 (9.43)	63.5 (2.50)	28.6 (1.13)	104.7 (4.12)

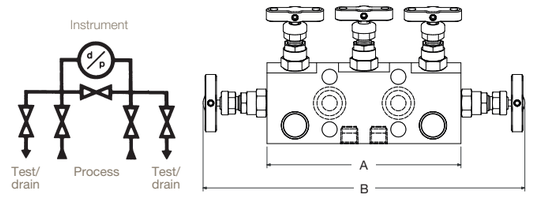
HD*5MFF - Flanged x Flanged (straight through bolted flange)





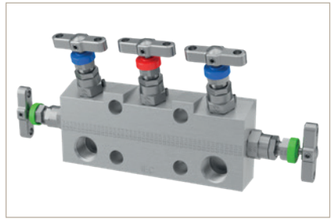
Inlet	Outlet	Bleed/Test	Dimension				
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
Flanged	Flanged	1/4” NPT	138.0 (5.43)	239.6 (9.43)	63.5 (2.50)	28.6 (1.13)	107.6 (4.24)

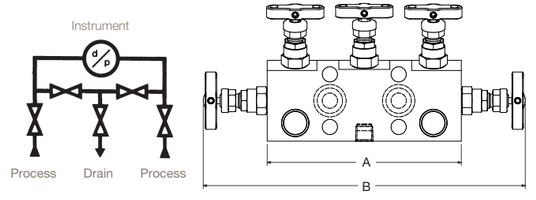
HD*5 - Female threaded - NPT x Flanged



Inlet	Outlet	Bleed/Test	Dimension				
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	1/4” NPT	152.4 (6.00)	254.0 (10.00)	63.5 (2.50)	28.6 (1.13)	107.6 (4.24)

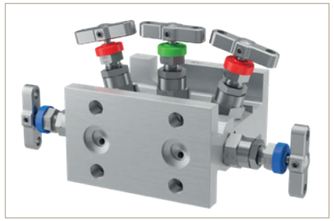
HD*5CT - Female threaded - NPT x Flanged

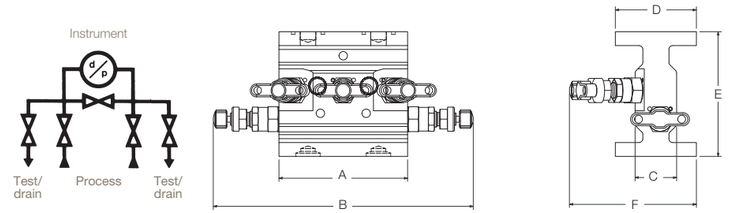




Inlet	Outlet	Bleed/Test	Dimension				
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)
1/2” NPT	Flanged	1/4” NPT	152.4 (6.00)	254.0 (10.00)	63.5 (2.50)	28.6 (1.13)	107.6 (4.24)

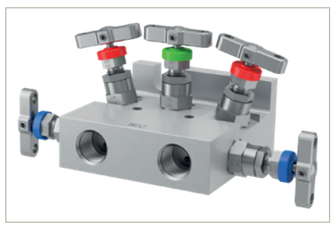
HEH*5 - Flanged x Flanged

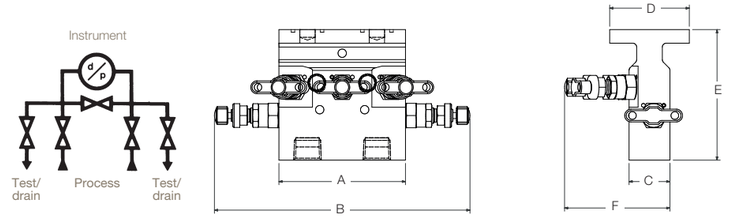




Inlet	Outlet	Bleed/Test	Dimension					
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
Flanged	Flanged	1/4” NPT	98.5 (3.88”)	200.1 (7.88”)	31.8 (1.25”)	62.0 (2.44”)	96.4 (3.80”)	97.7 (3.85”)

HET*5 - Female threaded - NPT x Flanged





Inlet	Outlet	Bleed/Test	Dimension					
			A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)	E mm (inch)	F mm (inch)
1/2” NPT	Flanged	1/4” NPT	98.5 (3.88”)	200.1 (7.88”)	31.8 (1.25”)	62.0 (2.44”)	101.6 (4.00”)	82.6 (3.25”)

2, 3 and 5-Valve Manifolds - Direct Mount

Ordering information

Example 1 (Default): **HDS5M**	HD	S	5	M				5-valve direct mount, flat barstock, thread to DIN IEC B flanged 6,000 PSI manifold, manufactured from 316 SS material having 1/2" NPT Fem. inlet connections and 1/4" NPT Fem. connections to vents. Gland packing is PTFE.
Example 2: **HDS5MASB3PBKSNC**	HD	S	5	M	A		SB3PBKS	5-valve direct mount, flat barstock, thread to DIN IEC B flanged 6,000 PSI manifold, manufactured from 316 SS material having 1/2" NPT Fem. inlet con. and 1/4" NPT Fem. con. to vents. 316 SS bolts. Gland packing is Graphite. Manifold has further inclined equalise valve; fitted with SS mounting bracket assembly; 1/4" NPT blanking plugs supplied.
Example 3: **HDM5MADA**	HD	M	5	M	A	DA		5-valve direct mount, flat barstock, thread to DIN IEC A flanged 5,000 PSI manifold, manufactured from Alloy M400 CRA material having 1/2" NPT Fem. inlet connections and 1/4" NPT Fem. connections to vents. Gland packing is PTFE. Manifold has further inclined equalise valve to avoid obstruction with the transmitter.
Example 4: **HDS5M4NDAATKVOXNC**	HD	S	5	M		4NDA	ATKVOXNC	5-valve direct mount, flat barstock, thread to DIN IEC A flanged 6,000 PSI manifold, manufactured from 316 SS material having 1/4" NPT Fem. inlet con. and 1/4" NPT Fem. vent cons. Gland packing is PTFE. Vent/drain/bleed valve's operation is Anti-Tamper. One Anti-Tamper key is supplied and the manifold is cleaned suitable for use in Oxygen applications, NACE compliant.
Example 5: **HEHS3DTP3ATE**	HEH	S	3		DTP		3ATE	3-valve direct mount extruded H-section, flange to flange 6,000 PSI manifold, manufactured from 316 SS material having DIN IEC process/inlet interface and IEC B outlet/instrument flange connections. Gland packig is Graphite. Manifold has additional 1/4" NPT downstream test ports and is fitted with Anti-Tamper operation to the equalise valve.
Example 6: **HETS5CTP**	HET	S	5		CT		P	5-valve direct mount extruded T-section, pipe/thread to flange 6,000 PSI manifold, manufactured from 316 SS material having 1/2" NPT Fem. inlet and IEC B outlet/instrument flange with 1/4" NPT Fem. bleed/vent/drain. Gland packig is PTFE. Manifold is suitable for use in fiscal metering/custody transfer applications; 1/4" NPT blanking plug is supplied.
Example 7: **HETS5DAIVAM104F3PBKS**	HET	S	5			DAIVAM104F	3PBKS	5-valve direct mount extruded section, tube to DIN IEC A flanged 6,000 PSI manifold, manufactured from 316 SS material having Parker Superior Advantage 10mm Inverted style A-LOK tube connections to the inlet and 1/4" NPT Fem. bleed/vent/drain. Gland packing is Graphite; 1/4" NPT blanking plugs supplied; fitted with SS mounting bracket assembly.
Example 8: **HDM5MADAPFCAM126PKNC**	HD	M	5	M	A	DAPFCAM126	PKNC	5-valve direct mount, flat barstock, tube to DIN IEC A flanged 5,000 PSI manifold, manufactured from Alloy M400 CRA material having Parker Superior Advantage 12mm PTFree A-LOK connections to inlet and 6mm PTFree A-LOK male stud union connections to vent/drain/bleed. Gland packing is PTFE. Manifold has further inclined equalise valve to avoid obstruction with the transmitter; fitted PEEK soft stem tip and conforms to NACE.

Series	
HD[1]	Flat barstock direct mount, pipe to flange/thread to flange manifolds - Process connections 108.0 mm (4 1/4") CTRS - Process connections 54.0 mm (2 1/8") CTRS
HET[1]	Extruded T-section direct mount, pipe to flange/thread to flange manifolds
HEH[2]	Extruded H-section direct mount, flange to flange manifolds

[1] Default standard connections for pipe/thread to flange are: 1/2" NPT Fem. inlet with DIN IEC B outlet transmitter face with 1/4" NPT Fem. vents/drains/bleeds/purge or test ports - where specified.
[2] Default standard connections for flange to flange are: DIN IEC 61518 inlet to manifold/transmitter interface with DIN IEC B outlet with 1/4" NPT Fem. vents/drains/bleeds/purge or test ports - where specified.

Materials			
S	316/316L Stainless Steel	**HC**	Alloy C276
6MO	6MO Sup. Aust. St.Steel	**T**	Titanium Gr. 2[3]
M	Alloy M400[3]	**825**	Alloy 825
D1	Duplex 22 Cr. Steel	**625**	Alloy 625
D2	Super Duplex 25 Cr. Steel	**C**	Carbon Steel[4]

[3] This material selection down-rates manifold.
[4] For Carbon Steel consult your local Parker representation.

Number of Valves/Configuration	
2	2-valve, block & bleed/isolate & calibrate/vent/drain
3	3-valve, isolate & equalise for DP applications
5	5-valve, isolate, equalise & calibrate/bleed/vent/drain for DP applications

For Flat Barstock Manifolds only (HD Series)	
M	Process Connections 54.0 mm (2 1/4") CTRS

Application Configuration	
A	Inclined equalise valve to avoid obstruction with transmitter - Eg. Yokogawa EJA[5]
FF	Flange to flange connection[5]
FD	Vent/bleed/drain connections on same face as process inlet
CT	Suitable for fiscal metering/custody transfer applications[6]
DTP	Downstream test ports[7]

[5] For flat barstock manifolds only.
[6] For 5-valve manifolds only.
[7] For 3-valve manifolds only.

Connections - Standard Options	Inlet	Outlet	Vent/Drain/Bleed/Test/Purge
*	1/2" NPT Fem.	DIN IEC B Flange Interface	1/4" NPT Fem.
**	DIN IEC	DIN IEC B Flange Interface	1/4" NPT Fem.
4N	1/4" NPT Fem.	DIN IEC B Flange Interface	1/4" NPT Fem.
4K	1/4" BSPT	DIN IEC B Flange Interface	1/4" BSPT Fem.
4R	1/4" BSPP Fem.	DIN IEC B Flange Interface	1/4" BSPP Fem.
8K	1/2" BSPT	DIN IEC B Flange Interface	1/4" BSPT Fem.
8R	1/2" BSPP	DIN IEC B Flange Interface	1/4" BSPP Fem.
SW8	1/2" NB Fem. SW[8]	DIN IEC B Flange Interface	1/4" NPT Fem.
#DA	# Select from above	DIN IEC A Flange Interface	1/4" NPT Fem.

* Default standard connection for pipe/thread to flange manifolds; no designator required.
** Default standard connection for flange to flange manifolds; no designator required.

Default standard manifolds require no additonal designators. Example: 1/2" NPT Fem. inlet & DIN IEC B outlet with 1/4" NPT Fem. vent = **HD*5M** (as example above).
As connection choices vary, all connections must be designated. **Examples:**
- 1/2"BSPP Fem. inlet & DIN IEC B outlet with 1/4"NPT Fem. vent = **8R4F**
- 1/2"BSPP Fem. inlet & DIN IEC B outlet with 1/4"BSPT Fem. vent = **8R4K**

[8] As standard, valves with Female Socket Weld connections will be of the same length as per the equivalent NPT pipe threaded variants.

Optional Connections						
Type		**Fitting**	**Unit**	**Inlet**		**Bleed/Vent/Drain**
IV	Inverted Connection Tube OD[9]	**A** A-LOK	**M** Metric	**6** 6mm		**4F** 1/4" NPT[11]
PF	PTFree connect tube stub[10]			**10** 10mm		
PFC	PTFree connect male union[10]	**Z** CPI	**I** Imperial	**12** 12mm		
				4 1/4"		
				6 3/8"		
				8 1/2"		

[9] **Examples:**
- 10mm A-LOK inverted inlet & 1/4" NPT Fem. vent/drain = **IVAM104F**
- 10mm CPI inverted inlet & 1/4" NPT Fem. vent/drain = **IVZM104F**
- 12mm A-LOK inverted inlet & 6mm vent/drain = **IVAM126**
- 1/2" A-LOK inverted inlet & 1/4" vent/drain = **IVAI84**

[10] **Examples:**
- 10mm A-LOK tube stub con. inlet & 1/4" NPT Fem. vent/drain = **PFAM104F**
- 3/8" CPI male union con. inlet & 1/4"NPT Fem. vent/drain = **PFCZI64F**
- 12mm A-LOK male union con. inlet & 6mm A-LOK vent/drain = **PFCAM126**

[11] 1/4" NPT Fem. is default standard for bleed/vent/drain, some model types may be available with other connections.

OPTIONS		
Instrument Bolt Options		
SB	316 Stainless Steel bolt[11]	
CB	3" long Carbon Steel bolt[12]	
CSB	3" long 316 Stainless Steel bolt[12]	
Gland Packing Options		
3	Graphite[13]	
FS	Firesafe design[14]	
Seating Options - Needle Valves only		
RT	Regulating/Metering Tip	
ST	Stellite Tip	
9	PCTFE Soft Tip[15]	
PK	PEEK Soft Tip	
Plug/Bleed Valve Options[16]		
P	Blank Plug	
BV	Bleed Valve/Plug	
PBV	Blank Plug and Bleed Valve/Plug	
Operator Options[17]		
HW	Handwheel	
LHW	Handwheel Locking	
THL	T Bar Locking	
AT*	Anti-Tamper[18]	
ATK*	Anti-Tamper with Key[19]	
ATHKEY	Anti-Tamper Key[20]	
Mounting Options		
BK	Assembled with Carbon Steel bracketry & bolts	
BKS	Assembled with Stainless Steel bracketry & bolts	
Other Options		
OX	Cleaned & lubricated for Oxygen use	
NC	NACE MR-01-75 Compliant	
M*	Assembly and Test of Free Issue Instrument	

[11] Carbon Steel bolt as standard. No designator required.
[12] Extra length bolts to be specified when utilising these manifolds with Emerson Coplanar™ type transmitter with the traditional adaptor flange.
[13] Not required when Firesafe design option (**FS**) selected.
[14] Not available for PCTFE Soft Tip (**9**) or Oxygen use (**OX**).
[15] 3,000 PSI/207 BAR only. See catalogue page 14.
[16] Plugs supplied loose in a packing box. See page 61.
[17] These options can be specified to independent valves:
Add **E** to specify assembly to Equalise valve only.
Add **I** to specify assembly to Isolate valves.
Add **V** to specify assembly to Vents/Drains/Bleeds.
Examples:
- **HWV** = Handwheel to Vents/Drains/Bleeds.
- **ATE** = Anti-Tamper to Equalise valve.

[18] Anti-Tamper operation and no Key.
[19] Anti-Tamper operation and one Key supplied per manifold.
[20] Specify quantity required as separate line item.

* Specify assembly and test option - see page 71.

IMPORTANT NOTES:

- For optimum results in integral tube connections on manifolds, the use of Parker pre-assembly tooling is highly recommended. For inverted style integral tube connections the use of Parker pre-assembly tooling is mandatory.
- Not all options/combinations are available in each single product model type.
- We reserve the right to review/revise this part number structure at any time. If necessary, we can refuse and/or recommend the most suitable alternative part number(s). We may also apply MOQ rules.
- Should your part number selection exceed 25 characters in length when completed, then it is likely to be incorrect, please consult your local Parker representation for assistance.
- If in any doubt, please consult your local Parker representation.

Mounting Brackets

Brackets for direct mount manifolds

Brackets for 2, 3 and 5-valve direct mount manifolds - BKT3

- Universal manifold mounting bracket, suitable for all direct mount manifolds
- This bracket design enables horizontal or vertical instrument positioning.

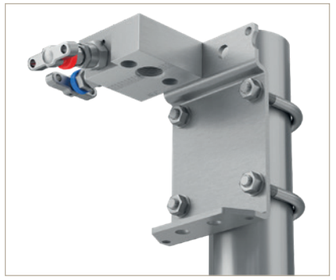


Image shown: Part No.: HDS2MBK

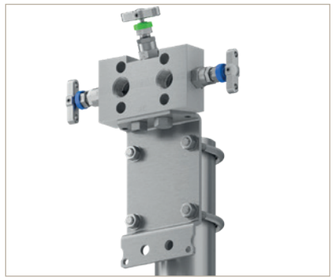


Image shown: Part No.: HDS3MBK

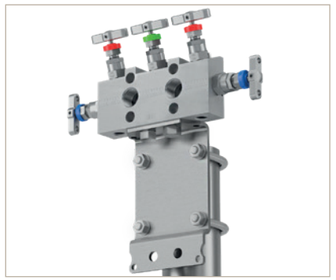


Image shown: Part No.: HDS5MBK

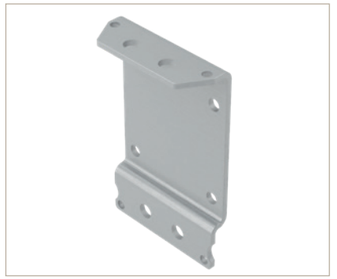
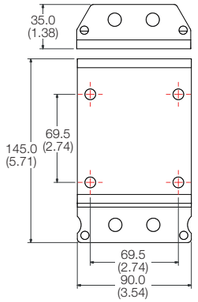


Image shown: Part No.: BKT3CSB2

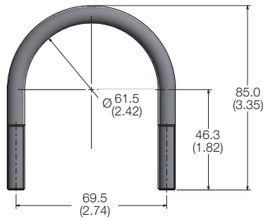


How to order:

Item	Part Number		Suitable for Manifold Type	
	Bracket material: Carbon Steel	Bracket material: Stainless Steel	2-valve	3 & 5-valve
Bracket with M8 'U' Bolts and manifold Bolt Kit (Nuts and washers: **M10 x 12 Bolt (2-OFF)**	BKT3CSB2	BKT3SSB2		HD*3M HD*3MDTP HD*3MFF HD*3 HD*5M HD*5MFF
Bracket with M8 'U' Bolts and manifold Bolt Kit (Nuts and washers: **M10 x 12 Bolt (1-OFF)** **M6 x 12 Bolt (1-OFF)**	BKT3CSB3	BKT3SSB3	HD*2M HD*2MFF	

'U' bolt with nuts and washers for 2" NB standpipe

Bracket kits include U bolts with nuts and washers.



Brackets for 5-valve direct mount HD*5 style manifolds with increased process centres - BKT5

- Universal manifold mounting bracket, suitable for all direct mount manifolds
- This bracket design enables horizontal or vertical instrument positioning

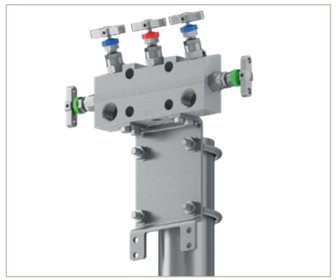


Image shown: Part No.: HDS5BK

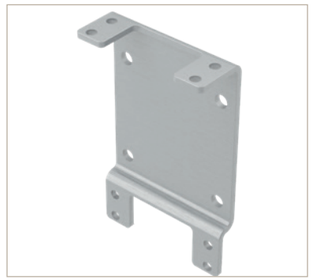
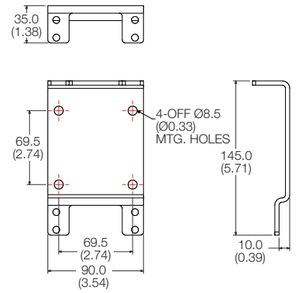


Image shown: Part No.: BKT5CSB6



How to order:

Item	Part Number		Suitable for Manifold Type
	Bracket material: Carbon Steel	Bracket material: Stainless Steel	
Bracket with M8 'U' Bolts and manifold Bolt Kit (Nuts and washers: **M6 x 12 Bolt (4-OFF)**	BKT5CSB6	BKT5SSB6	HD*5CT HD*5

Brackets for 2, 3 and 5-valve direct mount extruded manifolds - BKT4

- Universal manifold mounting bracket, suitable for all direct mount extruded manifolds
- This bracket design enables horizontal or vertical instrument positioning.

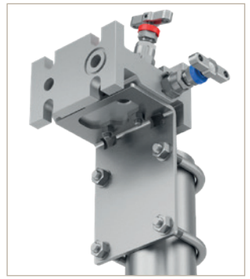
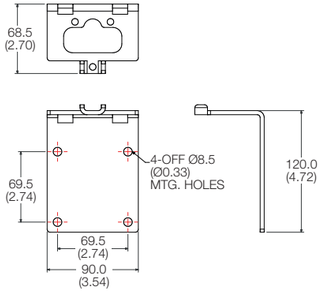


Image shown: Part No.: HEHS2BK

Image shown: Part No.: HEHS5BK

Image shown: Part No.: BKT4CSB4



How to order:

Item	Part Number		Suitable for Manifold Type	
	Bracket material: Carbon Steel	Bracket material: Stainless Steel	2-valve	3 & 5-valve
Bracket with M8 'U' Bolt and manifold Bolt Kit (Nuts and washers: **M6 x 45 Bolt (3-OFF)**	BKT4CSB4	BKT4SSB4	HEH*2 HET*2	HET*3 HEH*3 HET*5 HET*5CT HEH*5 HEH*5CT