General Specifications

Manifolds With DPHarp EJA and EJX Pressure and Differential Transmitters

Yokogawa Europe bv has included Parker Hannifin manifolds in his DPHarp pressure and differential pressure transmitters portfolio to suit all types of installations, specifications and installations. Enclosures (in Glass fibre Reinforced Polyester) suitable for one, two or three process instruments, with manifold and tubing connections for pressure, flow, temperature or other common process variable instruments, and any accessories required, as electrical heating element or steam heat tubing, are also available.

Contact your nearest Yokogawa office for quotations

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBSN2FM</td>
<td>2 valve Block and Bleed Manifold for DPHarp EJA/EJX 510A/530A series</td>
</tr>
<tr>
<td>HBSN2FF</td>
<td>2 valve Block and Bleed Manifold for DPHarp EJA/EJX 510A/530A series</td>
</tr>
<tr>
<td>HBSN2MM</td>
<td>3 valve Direct Mount Block and Bleed Manifold for DPHarp EJA/EJX 310/430A series</td>
</tr>
<tr>
<td>HBSN2MF</td>
<td>5 valve Remote Mount Block and Bleed Manifold for DPHarp EJA/EJX 510A/530A series</td>
</tr>
<tr>
<td>HLS2V</td>
<td>2 valve Remote Mount Block and Bleed Manifold DPHarp EJA/EJX 510A/530A series</td>
</tr>
<tr>
<td>HLS2HLH</td>
<td>2 valve Direct Mount Block and Bleed Manifold for DPHarp EJA/EJX 310/430A series</td>
</tr>
<tr>
<td>HDS3M</td>
<td>3 valve Remote Mount Block and Bleed Manifold for DPHarp EJA/EJX 510A/530A series</td>
</tr>
<tr>
<td>HDS5M</td>
<td>5 valve Remote Mount Block and Bleed Manifold for DPHarp EJA/EJX 110A/120A/130A series</td>
</tr>
<tr>
<td>HLS3M</td>
<td>3 valve Direct Mount Block and Bleed Manifold for DPHarp EJA/EJX 310/430A series</td>
</tr>
<tr>
<td>HLS5M</td>
<td>5 valve Direct Mount Block and Bleed Manifold for DPHarp EJA/EJX 110A/120A/130A series</td>
</tr>
</tbody>
</table>

Manifold Construction
- 316 Stainless Steel (code S)
- 4/16" UNF zinc plated carbon steel or stainless steel (SSB option) bolts
- NACE compliant (INC option)
- Oxygen clean service (OXY option)
- Optional mounting brackets
- 3.1.b. material certificate always included
- Assembly of transmitter including 5 bar pressure test
- Other materials on request:
  - Monel (code M)
  - Duplex (code D1)
  - Super Duplex (code D2)
  - Hastelloy (code HC)
  - Carbon Steel (code C)
  - Titanium (code T)

Manifold Rating
- Direct mount manifolds are rated up to 6000 psig (414 barg)
- Remote mount manifolds are rated up to 6000 psig (414 barg) and 10 000 psig (889 barg)

Manifold Marking
- All manifold are permanently marked with line diagram showing manifold capability

316SS
Part No: HDS5M
PTFE: 260 Deg C (500 F) max.
Model: A1.......1/2NPT/1/4NPT

YOKOGAWA

GS 07R01Y01-E-E
1st Edition
Functional Specifications
(Common for DPHarp EJA and EJX Pressure Transmitters)
*Refer to specific General Specification for Accuracy specifications

Output:
Two wire 4 to 20mA DC output with digital communications, linear or square root programmable. BRAIN or HART FSK protocol are superimposed on the 4 to 20mA signal. Output limits conforming to NAMUR NE43 can be pre-set by option code C2 or C3. Digital Communication, via Foundation Fieldbus or Profinet PA protocol, is also available.

Zero Adjustment Limits:
Zero can be fully elevated or suppressed, within the lower and upper range limits of the capsule.

External Zero Adjustment:
External Zero is continuously adjustable with 0.01% incremental resolution of span. Re-range can be done locally using the digital indicator with range-setting switch.

Ambient Temperature Limits:
(Optional features or approval codes may affect limits.)
-40 to 85 °C (-40 to 185 °F)
-30 to 80 °C (-22 to 176 °F) with LCD display.

Process temperature Limits:
Dependent on seal type and fill fluid selection.

Transmitter Capsule temperature limits:
(Optional features or approval codes may affect limits.)
-40 to 120 °C (-40 to 248 °F)

Ambient Humidity Limits:
0 to 100% RH (EJX)
5 to 100% RH (EJA)

EMC Conformity Standard:
EN 61326, AS/NZS CISPR11

Supply Voltage:
10.5 to 42 VDC for general use and flameproof type
10.5 to 32 VDC for lightning protector (option code /A).
10.5 to 30VDC for intrinsically safe, type n or non-incendive Minimum voltage limited at 16.6 VDC (EJX) and 16.4 VDC (EJA) for digital communication, BRAIN and HART

Span and Range Limits:

DPHarpe EJX430A Differential Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>inH2O(D1)</th>
<th>mbar(D3)</th>
<th>mmH2O(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>0.1 to 10</td>
<td>0.4 to 40</td>
<td>1 to 100</td>
<td>10 to 1000</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>0.5 to 100</td>
<td>2 to 400</td>
<td>5 to 1000</td>
<td>50 to 10000</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>2.5 to 500</td>
<td>10 to 2000</td>
<td>25 to 5000</td>
<td>50 to 50000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 to 500</td>
<td>-2000 to 2000</td>
<td>-5000 to 5000</td>
<td>-5 to 5 kgf/cm²</td>
<td></td>
</tr>
</tbody>
</table>

DPHarpe EJX910A Differential Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>inH2O(D1)</th>
<th>mbar(D3)</th>
<th>mmH2O(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>0.1 to 10</td>
<td>0.4 to 40</td>
<td>1 to 100</td>
<td>10 to 1000</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>0.5 to 100</td>
<td>2 to 400</td>
<td>5 to 1000</td>
<td>50 to 10000</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>2.5 to 500</td>
<td>10 to 2000</td>
<td>25 to 5000</td>
<td>50 to 50000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 to 500</td>
<td>-2000 to 2000</td>
<td>-5000 to 5000</td>
<td>-5 to 5 kgf/cm²</td>
<td></td>
</tr>
</tbody>
</table>

DPHarpe EJX510A, 530A Absolute or Gauge Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>inH2O(D1)</th>
<th>mbar(D3)</th>
<th>mmH2O(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>0.5 to 10</td>
<td>2 to 40</td>
<td>5 to 100</td>
<td>50 to 1000</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>1 to 100</td>
<td>4 to 400</td>
<td>10 to 1000</td>
<td>100 to 10000</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>-100 to 100</td>
<td>-40 to 40</td>
<td>-100 to 100</td>
<td>-1000 to 10000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 to 500</td>
<td>20 to 2000</td>
<td>50 to 5000</td>
<td>5 to 5 kgf/cm²</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>-1.4 to 14</td>
<td>20 to 2000</td>
<td>4 to 140 bar</td>
<td>1.4 to 140 kgf/cm²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 to 14</td>
<td>71 to 2000</td>
<td>5 to 140 bar</td>
<td>5 to 140 kgf/cm²</td>
<td></td>
</tr>
</tbody>
</table>

DPHarpe EJA110A Differential Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>inH2O(D1)</th>
<th>mbar(D3)</th>
<th>mmH2O(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>0.1 to 10</td>
<td>0.4 to 40</td>
<td>1 to 100</td>
<td>10 to 1000</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>0.5 to 100</td>
<td>2 to 400</td>
<td>5 to 1000</td>
<td>50 to 10000</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>2.5 to 500</td>
<td>10 to 2000</td>
<td>25 to 5000</td>
<td>50 to 50000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5 to 500</td>
<td>-2000 to 2000</td>
<td>-5000 to 5000</td>
<td>-5 to 5 kgf/cm²</td>
<td></td>
</tr>
</tbody>
</table>

DPHarpe EJA310A Absolute Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>inH2O(D1)</th>
<th>mbar(D3)</th>
<th>mmH2O(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>0.67 to 10</td>
<td>0.2 to 2.95</td>
<td>0.67 to 100</td>
<td>5 to 75</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>1.3 to 130</td>
<td>0.38 to 3.8</td>
<td>1.3 to 1300</td>
<td>9 to 900</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>0.3 to 30</td>
<td>1.3 to 30</td>
<td>0.3 to 30</td>
<td>9 to 900</td>
<td></td>
</tr>
</tbody>
</table>

DPHarpe EJA430A Absolute Pressure Transmitter

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Span/Range</th>
<th>kPa</th>
<th>psi (D1)</th>
<th>bar (D3)</th>
<th>kgf/cm²(D4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.03 to 3</td>
<td>4.3 to 430</td>
<td>0.3 to 30</td>
<td>0.3 to 30</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>0.14 to 14</td>
<td>14.5 to 290</td>
<td>1 to 20</td>
<td>1 to 20</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>0.5 to 10</td>
<td>27.5 to 1450</td>
<td>5 to 100</td>
<td>5 to 100</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>5 to 50</td>
<td>720 to 7200</td>
<td>50 to 500</td>
<td>50 to 500</td>
<td>50 to 500</td>
</tr>
</tbody>
</table>

GS 07R01Y01-E-E
For details, please refer to the following GS for each product:

| Model   | GS Code                  | EJX110A | GS01C25B01-01E | EJX910A | GS01C25R01-01E | EJX430A | GS01C25E01-01E | EJXS10A, EJS30A | GS01C25F01-01E | EJX10A | GS01C21B01-00E | EJX120A | GS01C21B03-00E | EJX130A | GS01C21B03-00E | EJX310A | GS01C21D01-00E | EJX430A | GS01C21E01-00E | EJX440A | GS01C21E02-00E | EJX510A, EJS530A | GS01C21F01-00E |
|---------|--------------------------|---------|-----------------|---------|-----------------|---------|-----------------|----------------|----------------|----------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|----------------|-----------------|

Manifold product overview

Key features (example with a 5 valve manifold)

- **Bonnet assemblies**: are all functionally colour coded. 3 valve manifolds are provided with 2 IS and 1 EQ. 5 valve manifolds are provided with 2 IS, 2 DR and 1 EQ (as illustrated here). Alternatively 5 valve manifolds for custody transfer/fiscal metering are fitted with 2 IS, 1 DR and 2 EQ. For extruded style manifold blocks straight through flow rising plug style valves can be fitted.

- **Functional colour coding**: RED = Drain/vent/test BLUE = Isolate/block GREEN = Equalize

- **Manifold body**: this is standard compact bar stock style suitable for enclosure installation. Extruded forms are also available as standard.

- **Process inlet connections**: positioned on front face 1/2" NPT female threads or kidney flange/oval/futbol are standard. Alternative thread forms, socket or butt weld and PTFree connections are available. Standard connections are on 2.125'/54mm.

- **Drain/bleed connections**: the position depends upon manifold design but are generally on the bottom face of the manifold. Other optional positions are available. On 3 valve manifold systems test and purge ports are optional choices.
**Instrument side, outlet, flange connections:** are standard for direct mount manifolds with machined grooves for PTFE seal rings. DIN sealing groove arrangement is also available on request. Remote style manifolds are provided as standard with 1/2” NPT female outlet connections (alternative thread forms etc. are available). Flanged outlets are positioned on 54mm/2.125” centres. (56/57mm centres are available on request).

**Pressure rating:**
- Maximum standard rating: 6000 psig (414 barg).
- Remote mount: 10,000 psig (689 barg) are available.

**Manifold to transmitter mounting:** all direct mount manifolds are provided with 4 off 7/16 UNF x 1.625” high tensile zinc plated carbon steel bolts. Bolt holes are standard on 54mm/2.125” centres. Optional St. St. bolts are available.

**Manifold base/bracket mounting:** all manifolds are provided with bracket mounting holes. This provides the user with the opportunity to bracket mount the instrument allowing installation to take place without the instrument and to give full mounting support in the event of instrument removal.

**Material:** Products in this GS are standard in stainless steel but can also be produced in many other materials.
1. Positive handle retention design featuring broached square engagement positioned by thread locked grub screw

2. “T” bar
Ergonomically designed for ease of operation
Anti-tamper and lockable devices can be supplied for on site retrofit

3. Dust Cap
This has a dual purpose, preventing air born debris from contaminating the operating spindle thread and providing colour coded functional identification
Isolate (BLUE) Bleed/test (RED)

4. Gland packing adjuster
For maximum packing stability and performance, simple and easily adjustable for gland wear compensation

5. Gland adjuster lock nut
A secure anti vibration locking mechanism to prevent inadvertent gland adjuster looening

6. Valve Bonnet
Standard construction for maximum pressure rating with replaceable bonnet sealing washer arrangement

7. Anti blowout spindle
Designed for low torque operation with high quality micro mirror stem finish for positive gland sealing

8. Thrust Bush
Anti rotational adjuster bush ensures uniform packing compression, maximising pressure tight sealing and limiting cold flow passages

9. Gland packing (adjustable)
Chevron style dual piece gland packing to provide maximum sealing area contact with minimum gland adjustment

10. Bonnet/body washer
Annealed sealing washer to ensure complete atmospheric leakage and allowing on site retrofit of bonnets with 100% resealing assurance

11. Spindle tip
Self centering, non-rotational tip gives successive positive bubble tight shut off assuring the user of leakage free performance and downstream functional safety

**Specification**
- Height closed (standard and HP) = 47mm (1.85") Height open (standard and HP) = 50.3mm (2.00")
- Number of turns open/close - 3.5
- Stainless steel construction
- Maximum standard pressure up to 6,000 psig (414 barg)
- Maximum optional pressure (limited to HP suffix see page 12 & 19) up to 10,000 psig (689 barg)
- Temperature rating -54°C to +538°C (-65°F to +1000°F)
- PTFE standard gland packing (Graphoil optional)
- Maximum temperature PTFE 260°C (500°F)
- Maximum temperature Graphoil 538°C (1000°F)
# 2 valve Manifold Block and Bleed HBSN2 for DPHarp EJA/EJX 510A/530A series

## Model and Suffix codes HBSN2

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffixcode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBSN2</td>
<td>FM</td>
<td>HBSNVS28F8M4FHP Manifold type 2 valves 316SS 1/2&quot;NPT F inlet (select EJA/X500 1/2&quot;NPT M) 1/2&quot; NPT M outlet</td>
</tr>
<tr>
<td></td>
<td>FF</td>
<td>HBSNVS28F8F4FHP Manifold type 2 valves 316SS 1/2&quot;NPT F inlet (select EJA/X500 1/2&quot;NPT M) 1/2&quot; NPT F outlet</td>
</tr>
<tr>
<td></td>
<td>MF</td>
<td>HBSNVS28M8F4FHP Manifold type 2 valves 316SS 1/2&quot;NPT M inlet (select EJA/X500 1/2&quot;NPT F) 1/2&quot; NPT F outlet</td>
</tr>
<tr>
<td></td>
<td>MM</td>
<td>HBSNVS28M8M4FHP Manifold type 2 valves 316SS 1/2&quot;NPT M inlet (select EJA/X500 1/2&quot;NPT F) 1/2&quot; NPT M outlet</td>
</tr>
</tbody>
</table>

### Options

- /NC: Sour Gas Service
- /PP: Plugged Vent Port
- /MOUNTTF: Assembly on Transmitter (free issue) with Teflon
- /MOUNTLOC: Assembly on Transmitter (free issue) with Loctite
- /T: Tested at 6 bar (dry air) during 1 min.

---

### Drawing HBSN2MF

2 VALVE MANIFOLD REMOTE MTG INLET: 1/2-14 NPT (MALE) OUTLET: 1/2-14 NPT (FEMALE) VENT: 1/4-18 NPT (FEMALE) MATERIAL OF CONSTRUCTION: SEE H- SERIES MATERIAL SPECIFICATION

---

GS 07R01Y01-E-E
Manifold Remote Mount for DPHarp EJA/EJX series

Model and Suffix codes HLS

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix Codes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLS</td>
<td>/NC</td>
<td>Sour Gas Service</td>
</tr>
<tr>
<td></td>
<td>/MTG (always included)</td>
<td>Tapped Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>/BRKC</td>
<td>Carbon steel Mounting Bracket</td>
</tr>
<tr>
<td></td>
<td>/BRKS</td>
<td>Stainless steel Mounting Bracket</td>
</tr>
<tr>
<td></td>
<td>/SSB</td>
<td>Stainless steel Mounting Bolts</td>
</tr>
<tr>
<td></td>
<td>/OXY</td>
<td>Oxygen clean service</td>
</tr>
<tr>
<td></td>
<td>/PP</td>
<td>Plugged Vent Port (for HLS2V manifold)</td>
</tr>
<tr>
<td></td>
<td>/MOUNTTF</td>
<td>Assembly on EJA/EJX510A - 530A Transmitter with Teflon</td>
</tr>
<tr>
<td></td>
<td>/MOUNTLOC</td>
<td>Assembly on EJA/EJX510A - 530A Transmitter with Loctite</td>
</tr>
<tr>
<td></td>
<td>/T</td>
<td>Tested at 6 bar (dry air) during 1 min.</td>
</tr>
</tbody>
</table>

2V valves 316SS for DPHarp EJA/EJX510A - 530A
3 valves 316SS for DPHarp EJA/EJX110A - 130A
5 valves 316SS for DPHarp EJA/EJX110A - 130A

Options

GS 07R01Y01-E-E
GS 07R01Y01-E-E

Bay Valve Manifold Remote Mounting
INLETS: 1/2-14 NPT (FEM)
OUTLETS: 1/2-18 NPT (FEM)
VENTS: 1.4-18 NPT (FEM)

MATERIAL OF CONSTRUCTION:
SEE 'H-SERIES MATERIAL SPEC'.

2 OFF 1/2-14 NPT (FEM) INLETS
2 OFF 5/8 [3.33] MTG HOLES
1/2-14 NPT (FEM) OUTLET 2 OFF

63.5 [2.500]
28.6 [1.126]
79.4 [3.126] (OPEN REF.)
76.4 [3.008] (CLOSED REF.)

2 OFF 5/8 [3.33] MTG HOLES
1/2-14 NPT (FEM) OUTLET 2 OFF

54.0 [2.126]
88.0 [3.465] (MAX REF.)
221.6 [8.724] (OPEN REF.)
215.6 [8.488] (CLOSED REF.)

5 VALVE MANIFOLD REMOTE MTG
INLETS: 1/2-14 NPT (FEM)
OUTLETS: 1/2-18 NPT (FEM)
VENTS: 1.4-18 NPT (FEM)
MATERIAL OF CONSTRUCTION:
SEE 'H-SERIES MATERIAL SPEC'.

Drawing HLS3M

Drawing HLS5M
Manifold Direct Mount for DPHarp EJA/EJX series

Model and Suffix codes HDS □□

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix Codes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDS</td>
<td></td>
<td>Manifold Direct Mount for DPHarp EJA/EJX100 series</td>
</tr>
<tr>
<td>2HLH</td>
<td>/NC</td>
<td>2 valves 316SS for DPHarp EJA/EJX 310A - 430A</td>
</tr>
<tr>
<td>3M</td>
<td>/MTG (always included)</td>
<td>3 valves 316SS for DPHarp EJA/EJX 110A - 130A</td>
</tr>
<tr>
<td>5M</td>
<td>/BRKC</td>
<td>5 valves 316SS for DPHarp EJA/EJX 110A - 130A</td>
</tr>
<tr>
<td></td>
<td>/BRKS</td>
<td>Sour Gas Service</td>
</tr>
<tr>
<td></td>
<td>/SSB</td>
<td>Tapped Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>/MOUNT</td>
<td>Carbon steel Mounting Bracket</td>
</tr>
<tr>
<td></td>
<td>/T</td>
<td>Stainless steel Mounting Bracket</td>
</tr>
<tr>
<td></td>
<td>/OXY</td>
<td>STSTL Mounting Bolts</td>
</tr>
<tr>
<td></td>
<td>/PP</td>
<td>Manifold Assembly - free issue EJA/EJX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tested at 6 bar (dry air) during 1 min.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oxygen clean service</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plugged Vent Port (for HDS2HLH manifold)</td>
</tr>
</tbody>
</table>

Options

- /NC: Sour Gas Service
- /MTG (always included): Tapped Mounting Holes
- /BRKC: Carbon steel Mounting Bracket
- /BRKS: Stainless steel Mounting Bracket
- /SSB: STSTL Mounting Bolts
- /MOUNT: Manifold Assembly - free issue EJA/EJX
- /T: Tested at 6 bar (dry air) during 1 min.
- /OXY: Oxygen clean service
- /PP: Plugged Vent Port (for HDS2HLH manifold)

Drawing HDS2HLH

See 'H-SERIES MATERIAL SPEC'.

41.3 [1.625]

2 OFF [2.0 [0.472] MTG HOLES

1/2-14 NPT (FEM) INLET

1/4-18 NPT (FEM) VENT

M6 x 1.0p MTG HOLES

M10 x 1.5p MTG HOLES

113.0 [4.449] (OPEN REF.)

63.5 [2.500]

28.6 [1.125]

4.449

2.500

1.125

114.3 [4.500] (OPEN REF.)

111.3 [4.362] (CLOSED REF.)

24.0 [0.945]

8.3 [0.326]

0.945

0.326
FOR MATERIAL AND PROCESS SPECIFICATIONS REFER TO GENERIC PROCESS CONTROL SHEET ESSF

FOR PART MARKING DETAILS REFER TO PART MARKING SPECIFICATION ESSF

THIS DRAWING CONTAINS INFORMATION THAT IS CONFIDENTIAL AND PROPRIETARY TO PARKER HANNIFIN PLC. THIS DRAWING IS FURNISHED ON THE UNDERSTANDING THAT THE DRAWING AND THE INFORMATION IT CONTAINS WILL NOT BE COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE WRITTEN CONSENT OF PARKER HANNIFIN. WILL NOT BE USED TO THE DETRIMENT OF PARKER HANNIFIN, AND WILL BE RETURNED UPON REQUEST BY PARKER HANNIFIN.

ISSUE NO.

E.C.N NUMBER

DATE

DRAWN BY:

DATE DRAWN

SCALE PROPORTIONAL

ALL DIMENSIONS IN MM [INCHES] UNLESS OTHERWISE STATED

DRAWING TITLE:

DRAWING LOCATED IN PDM SYSTEM

REMOVE ALL SHARP EDGES AND BURRS

INCH METRIC ANGULAR

(.00")

(.000")

(.0)mm

(.0)mm

(.0)mm

(.0)mm

(.0)mm

(.0)mm

1/2

30

28.6

[1.125]

110.0

[4.331]

113.0

[4.449]

(OPEN REF)

211.6

[8.331]

(OPEN REF)

200.6

[7.904]

(CLOSED REF)

205.6

[8.094]

(OPEN REF)

227.0

[8.941]

(OPEN REF)

227.0

[8.941]

(OPEN REF)

227.0

[8.941]

(OPEN REF)

227.0

[8.941]

2 OFF 1/2-14 NPT (FEM) INLETS

4 OFF 1/2-14 NPT (FEM) INLETS

2 OFF M10 x 1.5p MTG HOLES

1 OFF M10 x 1.5p MTG HOLES

3 OFF M10 x 1.5p MTG HOLES

2 OFF 1/4-18 NPT (FEM) VENTS

3 OFF 1/4-18 NPT (FEM) VENTS

2 OFF 1/4-18 NPT (FEM) VENTS

5 VALVE MANIFOLD DIRECT MTG.

INLETS : 1/2-14 NPT (FEM)

MATERIAL OF CONSTRUCTION : SEE "H-SERIES MATERIAL SPEC".

3 VALVE MANIFOLD DIRECT MTG.

INLETS : 1/2-14 NPT (FEM)

MATERIAL OF CONSTRUCTION : SEE "H-SERIES MATERIAL SPEC".

Drawing HDS3M

Drawing HDS5M

GS 07R01Y01-E-E
Manifold bracket support

Purpose
It is essential to fully support impulse/pressure measurement tubing lines, manifolds and instruments. All manifolds are designed to accommodate bracket mounting and support, a full range of brackets with additional U bolts are available.

Brackets are designed for panel and wall mounting and give full clearance for ease of handle operation. They are also suitable for vertical and horizontal positioning on 2” pipe-stand.

Brackets are produced from 4mm thick carbon steel plate to provide maximum rigidity and support. For full corrosion protection the brackets are shot blasted and zinc sprayed. Stainless Steel bracket are available in selecting Brks.

Mounting bracket for HLS2V model
Simple to install bracket for horizontal/vertical 2” standpipe, wall, panel or base mounting, bracket stand-off prevents handle obstruction.

Mounting bracket for HDS2HLH model
Universal manifold mounting bracket suitable for all direct mount manifolds. This bracket design enables horizontal or vertical instrument positioning.
Mounting bracket for HDS3M and HDS5M models
Simple to install bracket on horizontal or vertical 2" standpipe. Designed for horizontal or vertical mounting of manifold giving total installation flexibility.

Mounting bracket for HLS3M and HLS5M models
Universal manifold mounting bracket suitable for all remote mount manifolds. This bracket allows 90 degree positioning enabling total installation flexibility and prevents handle obstruction. Can be wall, standpipe or base mounted.