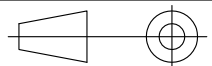


| | |
|-----------------------|--------------------------|
| HMV Work Order | HMV_PO#20191100/06 |
| Tag No. | PV-006 |
| End Connection | Flange EN 1092-1 PN16 RF |
| Electrical Connection | M20X1.5 |
| Pneumatic Connection | 1/4" NPT |
| Apprx Weight | 220 kg |

1st ANGLE
PROJECTION



| ITEM NO. | DESCRIPTION | QTY. | MATERIAL |
|----------|-----------------------------|------|---------------------------|
| 1 | BODY | 1 | ASTM A352 LCC |
| 2 | BONNET | 1 | ASTM A350 LF2 |
| 4 | BONNET/CONNECTOR GASKET | 1 | GYLON 3510 |
| 4A | BODY/CONNECTOR GASKET | 1 | MONEL/GRAPHITE |
| 4B | SEAT/INNER SLEEVE GASKET | 2 | MONEL/GRAPHITE |
| 6A | BODY/BONNET CONNECTOR | 1 | ASTM A350 LF2 |
| 10S | SEAT | 1 | 316Ti (1.4571)+STELLITE 6 |
| 11S | PLUG | 1 | 316Ti (1.4571)+STELLITE 6 |
| 14 | PLUG LOCK RING | 1 | 316Ti (1.4571) |
| 15 | BALANCE RING | 1 | ELGILOY |
| 16 | SLEEVE | 1 | 316Ti (1.4571)+Cr HF |
| 20 | PACKING SET | 1 | PURE PTFE |
| 21 | GLAND FOLLOWER | 1 | 316 SS |
| 22 | GLAND PLATE | 1 | 316 SS |
| 25 | BELLOWS | 4 | UNS N10276(2.4819) |
| 25A | BELLOWS CONNECTOR RING | 3 | UNS N06022 |
| 30A | STEM | 1 | UNS N06022 |
| 36 | ACTUATOR MOUNTING PILLAR | 2 | UNS S31803 |
| 50I | INLET PLATE | 1 | 316 SS |
| 64 | PACKING SPRING | 1 | 316 SS |
| | OUTER O RING | 1 | EPDM |
| | INNER O RING | 1 | EPDM |
| | PLUG PIN | 1 | 316 SS |
| | BODY/CONNECTOR STUDS | 12 | A320 L7M XYLAN 1424 |
| | BODY/CONNECTOR NUTS | 12 | A320 L7M XYLAN 1424 |
| | BONNET/CONNECTOR STUD BOLTS | 8 | A320 L7M XYLAN 1424 |
| | BONNET/CONNECTOR NUTS | 16 | A320 L7M XYLAN 1424 |
| | STEM NUTS | 1 | A320 L7M XYLAN 1424 |
| | GLAND STUDS | 2 | A320 L7M XYLAN 1424 |
| | GLAND NUTS | 2 | A320 L7M XYLAN 1424 |
| | ACTUATOR PILLAR NUTS | 2 | CS AISI 1035 NYLOCK |
| | ACTUATOR | 1 | Pneumatic |
| | POSITIONER | 1 | Electro-Pneumatic |
| | AIR FILTER REGULATOR | 1 | Standard |

| | |
|------------------------|----------------|
| Actuator HM960-FC | 50 mm stroke |
| Flow direction | Under the plug |
| Minimum Wall thickness | 13 mm |

Notes:

- Pressure envelope design and testing in accordance with Euro Chlor GEST 17/492
Globe Valves Bellow Sealed for Use on Liquid Chlorine. Seat leakage testing in accordance with FCI-70-2. See Data Sheet for allowable leakage rate.
- Applicable Inspection and Test plan ITP HMV5801 EC (LCC)_20191100CV.
- For details of actuator, positioner and auxiliary items refer to Data Sheet.
- Valve body minimum wall thickness in accordance with GEST 17/492 (API 600).
- Fitted with stainless steel Tag "CLEANED FOR CHLORINE SERVICE".
- In an emergency the auxiliary gland can be tightened as shown in the detail A until the spring is fully compressed. Further tightening of the gland nuts will compress the chevron rings reducing any leakage from the gland but possibly affecting the smooth operation of the valve.

MAX INTERNAL RADI 0.5 EXCEPT AS STATED
MACHINING TOLERANCES UNLESS OTHERWISE STATED

| | | | | | | |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| to3 | 3 to6 | 6 to10 | 10 to18 | 18 to30 | 30 to50 | 50 to80 |
| ±0.07 | ±0.09 | ±0.11 | ±0.14 | ±0.17 | ±0.20 | ±0.23 |
| 80 to120 | 120 to180 | 180 to250 | 250 to315 | 315 to400 | 400 to500 | 500 to630 |
| ±0.27 | ±0.32 | ±0.36 | ±0.41 | ±0.45 | ±0.49 | ±0.55 |

SURFACE ROUGHNESS ✓ EXCEPT
WHERE OTHERWISE STATED

AS PRODUCED BY COMMON PRODUCTION PROCESSES

ROUGH TURN FINE TURNING
TURNING OR MILLING

DO NOT SCALE DRAWING.
ALL DIMENSIONS IN MILLIMETRES(mm)/
UNLESS OTHERWISE STATED.
REMOVE ALL BURRS AND SHARP EDGES.
FOR EXPLANATION OF NOTES, SYMBOLS
ETC, SEE BS 308.

DRAWN DATE APPROVED SCALE

Liv30 2021.02.08 Ludovic 1:2

HUNT & MITTON VALVE COMPANY

| | |
|------------|--|
| VALVE CODE | 5801 SERIES |
| TITLE | Typical G.A.:DN150(6") CAST STEEL BELLOWS SEAL CONTROL VALVE FOR USE ON CHLORINE FLANGED PN16 RF |
| DRG. No. | DN150_5801_PN16RF_V156E_50_20191100_06 REV 0 |

