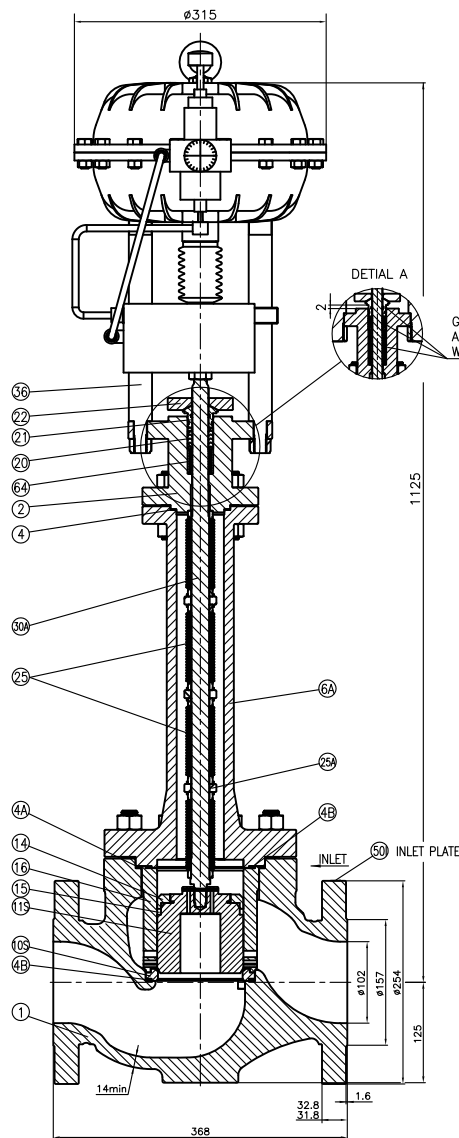
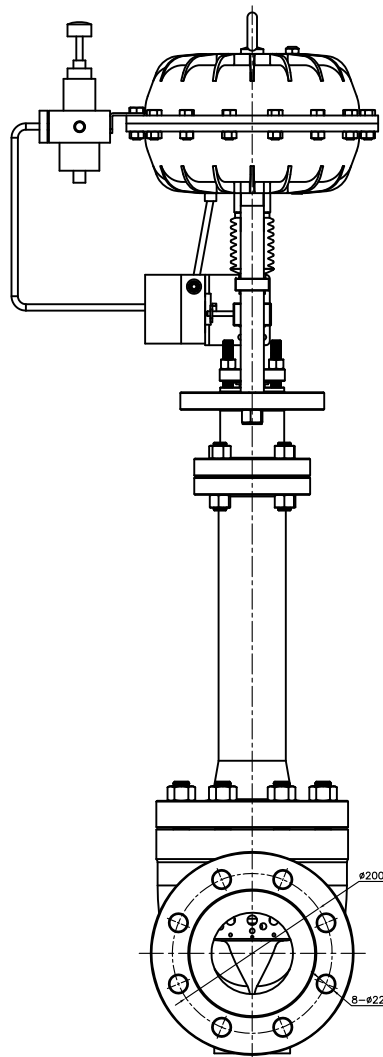
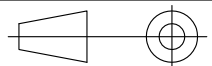


HMV Work Order	HMV_PO#20191000/05
Tag No.	PV-005
End Connection	Flanged ASME B16.5 CL300 RF
Electrical Connection	M20X1.5
Pneumatic Connection	1/4" NPT
Apprx Weight	117 kg

1st ANGLE
PROJECTION



DETAIL A

GLAND FOLLOWER, PACKING
AND SPRING POSITIONS
WHEN CLOSED SOLID

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	8	A320 L7M XYLAN 1424
	BODY/CONNECTOR NUTS	8	A320 L7M XYLAN 1424
	BONNET/CONNECTOR STUD BOLTS	4	A320 L7M XYLAN 1424
	BONNET/CONNECTOR NUTS	4	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 HM530-FC	40 mm stroke
Flow direction	Over the plug
Minimum Wall thickness	14 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)_20191000CV.
- 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	to16	16	to30	30	to50	50	to80
±0.07	±0.09	±0.11	±0.14	±0.17	±0.20	±0.23						
to50	50	to100	100	to150	150	to250	250	to400	400	to600	600	to800
±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
Ludovic 2021.02.08 *Ludovic* 1:2

HUNT & MITTON VALVE COMPANY

VALVE CODE

5801 SERIES

TITLE

Typical
G.A.:DN100(4") CAST STEEL
BELLOWS SEAL CONTROL VALVE
FOR USE ON CHLORINE
FLANGED CL300 RF

DRG. No.

DN100_5801_CL300RF_V106E_40_20191000_05 REV 0