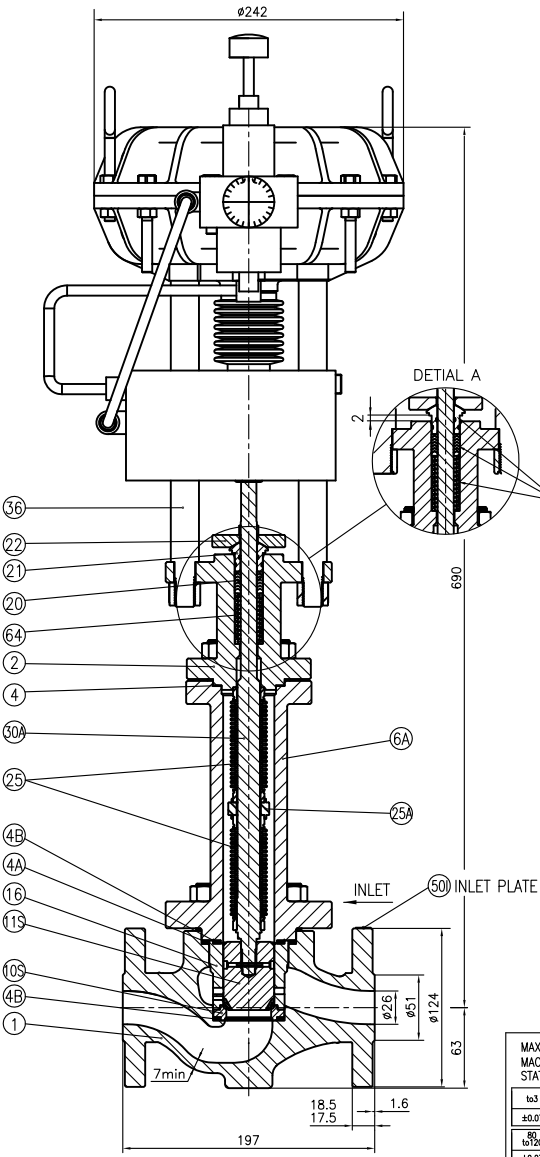
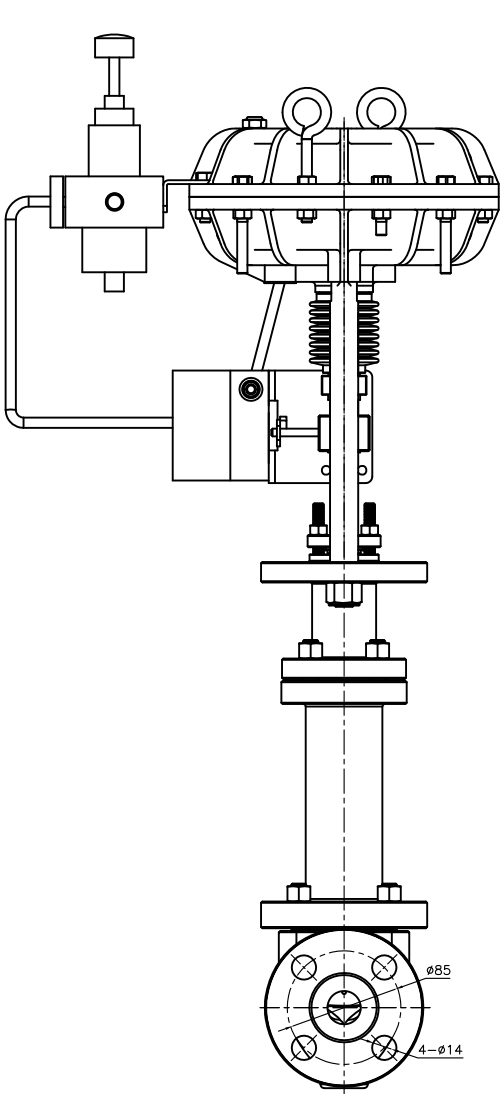
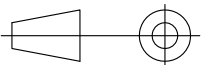


HMV Work Order	HMV_PO#20191000/01
Tag No.	PV-001
End Connection	Flanged ASME B16.5 CL300 RF
Electrical Connection	M20X1.5
Pneumatic Connection	1/4" NPT
Apprx Weight	41 kg

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
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	2	UNS N10276(2.4819)
25A	BELLOWS CONNECTOR RING	1	UNS N06022
30A	STEM	1	UNS N06022
36	ACTUATOR MOUNTING PILLAR	2	UNS S31803
50I	INLET PLATE	1	316 SS
64	PACKING SPRING	1	302 SS
	OUTER O RING	1	EPDM
	INNER O RING	1	EPDM
	PLUG PIN	1	316 SS
	BODY/CONNECTOR STUDS	4	A320 L7M Xylan 1424
	BODY/CONNECTOR NUTS	4	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 HM280-FC	18 mm stroke
Flow direction	Over the plug
Minimum Wall thickness	7 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 RADII 0.5 EXCEPT AS STATED MACHINING TOLERANCES UNLESS OTHERWISE STATED							
to3	3 to6	6 to10	10 to16	16 to20	20 to30	30 to50	50 to80
±0.07	±0.09	±0.11	±0.14	±0.17	±0.20	±0.20	±0.23
80 to120	120 to180	180 to250	250 to315	315 to400	400 to500	500 to630	630 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
LwBo	2021.02.08	Ludovic	1:2
HUNT & MITTON VALVE COMPANY			

VALVE CODE	5801 SERIES
TITLE	Typical G.A.:DN25(1") CAST STEEL BELLOWS SEAL CONTROL VALVE FOR USE ON CHLORINE FLANGED CL300 RF
DRG. No.	DN25_5801_CL300RF_WJ35E_18_20191000_01 REV 0