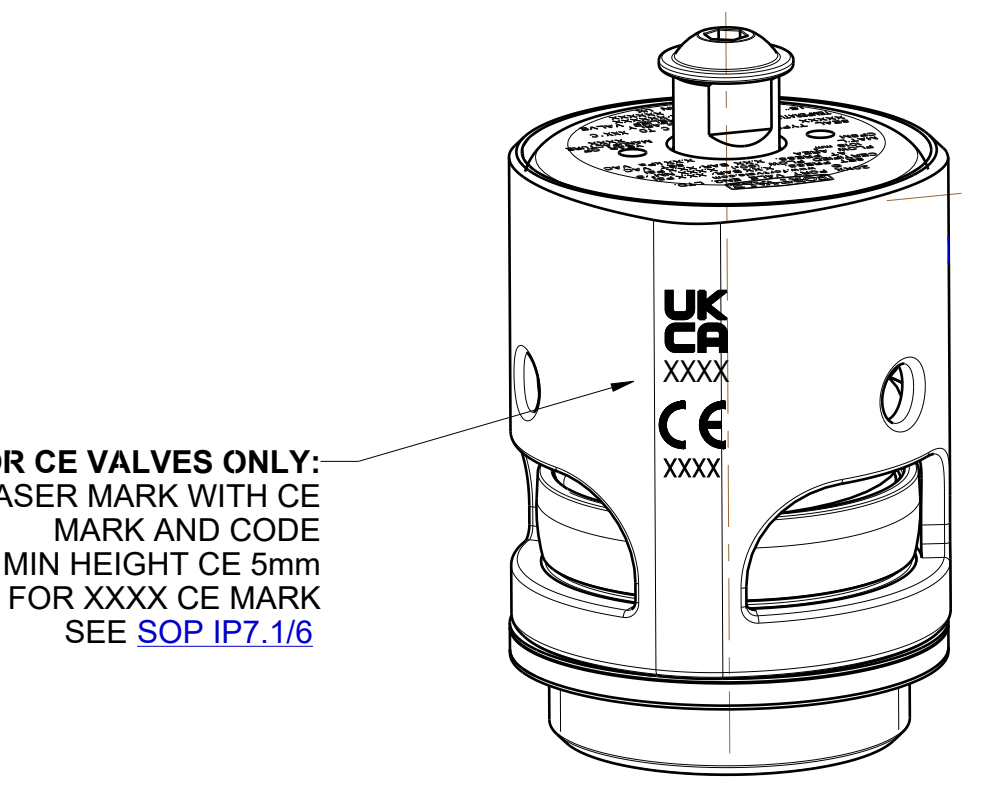
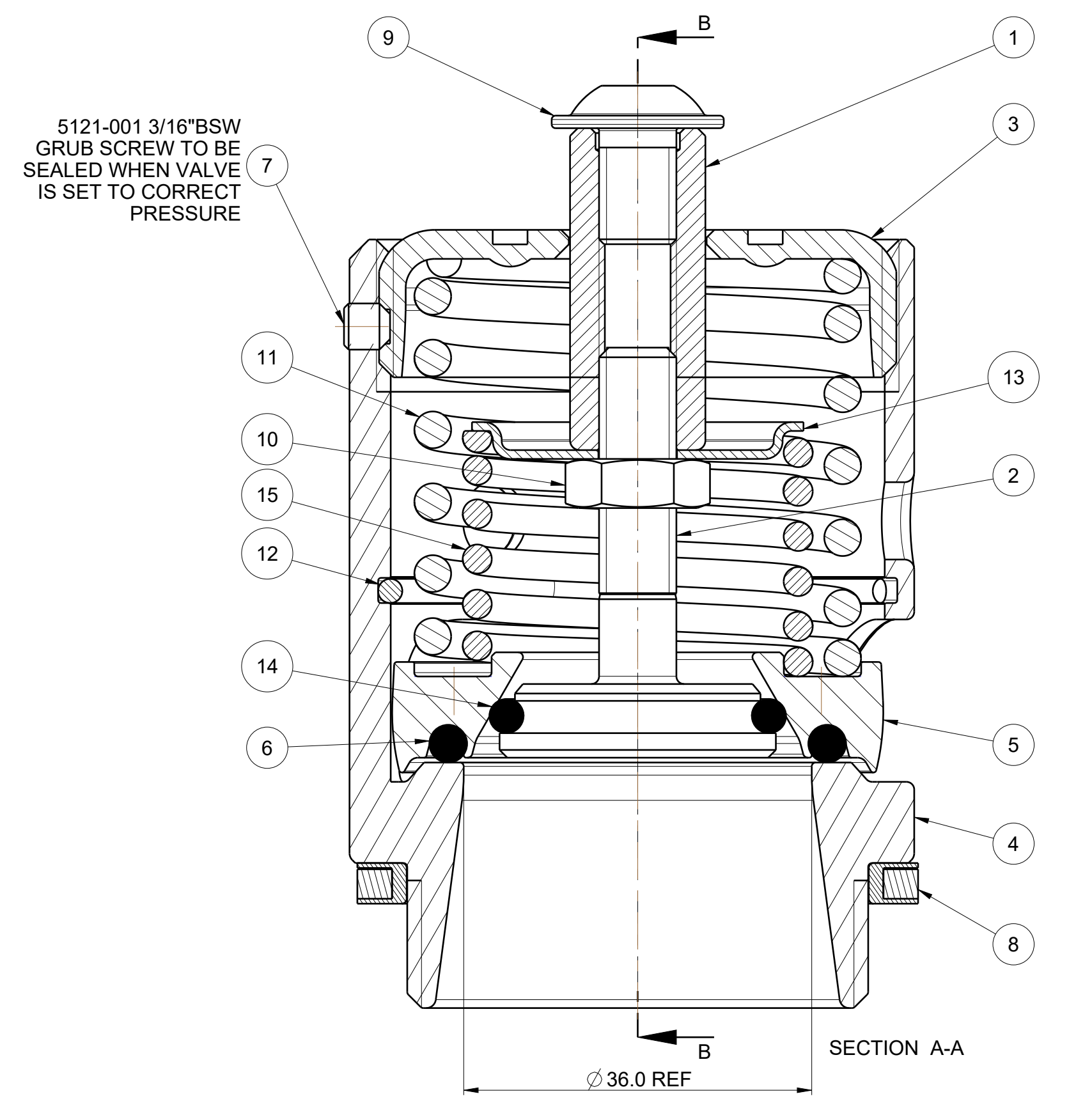
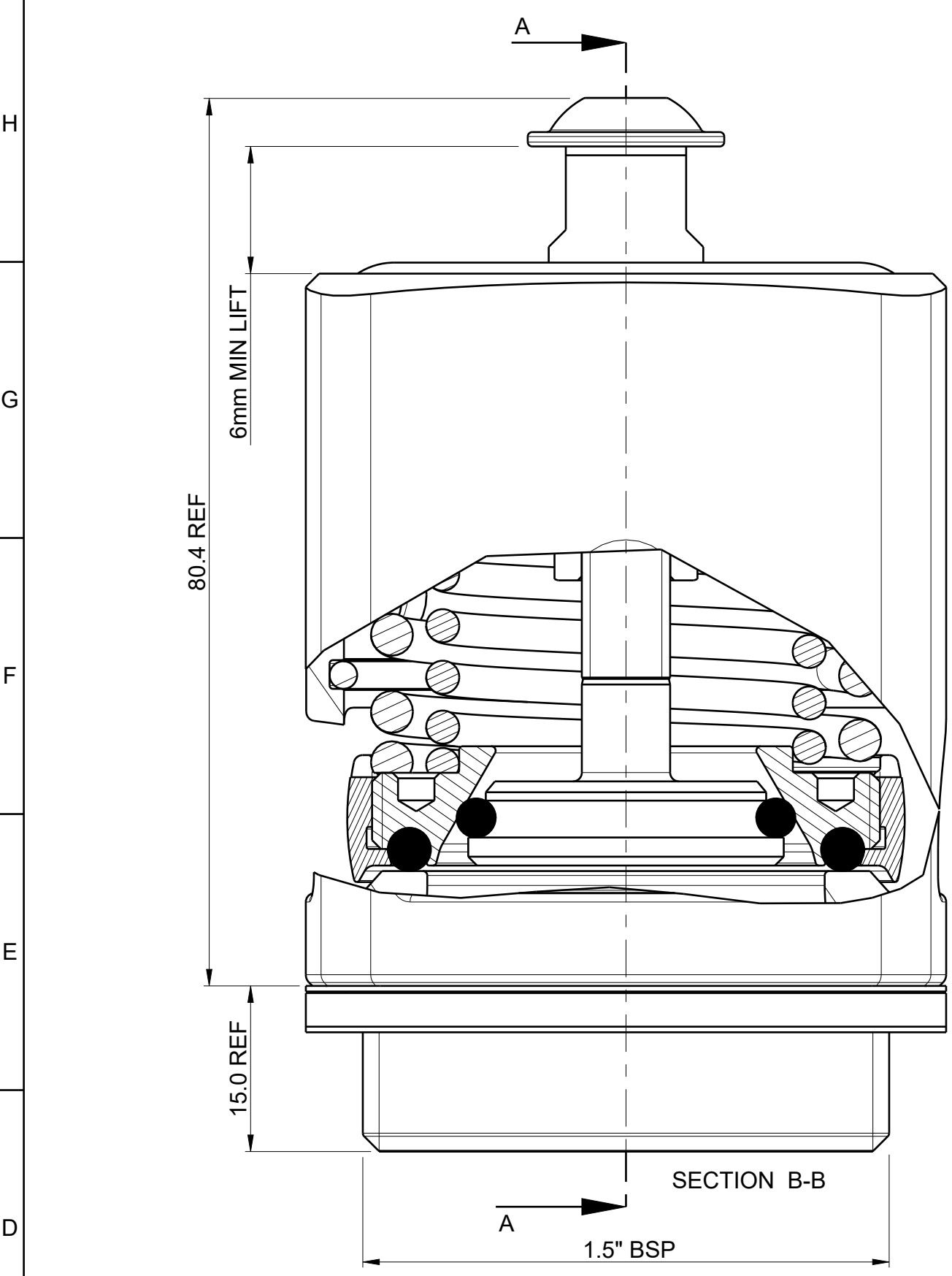


DRAWING STATUS		Production	
REVISION	09	SIG R FOSTER	24-Jan-23
DVN LINK			



FOR CE VALVES ONLY:
LASER MARK WITH CE
MARK AND CODE
MIN HEIGHT CE 5mm
FOR XXXX CE MARK
SEE [SOP IP7.1/6](#)

PART NUMBER EXAMPLE: 3A/010021

3A/ DENOTES 1.5" BSP TWINACT
0 DENOTES VITON SEAL (SEE TABLE 1)
100 DENOTES 1.00 BAR PRESSURE SETTING
21 DENOTES 21 kPa VACUUM SETTING
(CE VERSION = CE3A/010021)

DESIGN CODES: ASME VIII DIV1 BS EN 12516-2 2014
DESIGN PRESSURE (MAWP) : 4.50 BAR (65.3 PSI)
SERVICE TEST PRESSURE : 8.80 BAR (127.6 PSI)
MAX DESIGN TEMPERATURE : 260 °C (500 °F)
MIN DESIGN TEMPERATURE : -40 °C (-40 °F) } FOR METAL PARTS

REFER TO TABLE 1 FOR SEAL TEMPERATURE LIMITATIONS
USE THESE FIGURES FOR LASER MARKING MIN/MAX DESIGN TEMP

3A/TXXXXX (FORTYT PFA/SI)	175/01X5	ORM0340400F1	5005-114PFA	-40 °C (-40 °F)	260 °C (500 °F)
3A/SXXXXX (SILICONE)	110/S15X (SEAL PLATE ASSEMBLY)		5005-146	-40 °C (-40 °F)	200 °C (392 °F)
3A/9XXXXX (EPDM)	110/915X (SEAL PLATE ASSEMBLY)		5005-518	-40 °C (-40 °F)	150 °C (302 °F)
3A/7XXXXX (PERFLUOROELASTOMER)	110/715X (SEAL PLATE ASSEMBLY)		5005-001	-15 °C (5 °F)	240 °C (464 °F)
3A/1XXXXX (FORTYT FEP/SI)	175/01X5	ORM0340400F0	5005-114	-40 °C (-40 °F)	200 °C (392 °F)
3A/0XXXXX (VITON)	110/015X (SEAL PLATE ASSEMBLY)		5005-112	-20 °C (-4 °F)	200 °C (392 °F)
PART NUMBER	PRESSURE PLATE	PRESSURE O-RING	VACUUM O-RING	MIN TEMP	MAX TEMP

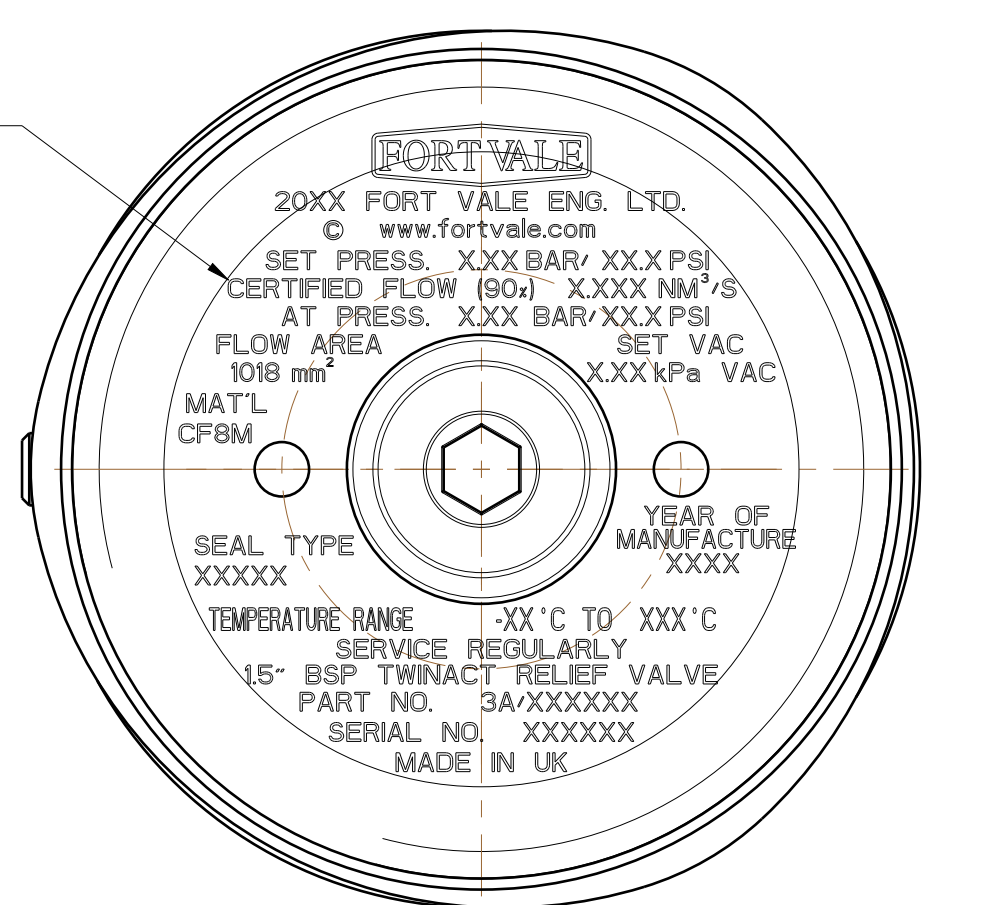
TABLE 1

NOTE
FOR SPRINGS, PRESSURE PLATE,
SPRING PAD PART NUMBERS AND
FLOWS SEE DOCUMENTS:

[3A/METRIC/FLOW](#)
[3A/STD/VACUUM/FLOW](#)

FOR EFFICIENT AND SAFE
OPERATION VALVE SHOULD BE
SERVICED REGULARLY

VALVE TO BE LASER MARKED
AS SHOWN WITH X'S TO BE FILLED
IN WITH CORRECT INFORMATION UPON
COMPLETION OF ASSEMBLY



15	5104-XXX	VACUUM SPRING (SEE DATA SHEET)	302 STST	1
14	5005-XXX	VACUUM O-RING (SEE TABLE 1)	SEE TABLE 1	1
13	11006X	SPRING PAD (SEE DATA SHEET)	316L STST	1
12	5120-070	RETAINING RING CLIP	316 STST	1
11	5104-XXX	PRESSURE SPRING (SEE DATA SHEET)	302 STST	1
10	5112-004	M8 HALF NUT	304 STST	1
9	5111-9812	FLANGED BUTTON SCREW	A2-70	1
8	5006-006	ENVELOPE SEAL / GASKET	PTFE / EPDM	1
7	5121-001	3/16"BSW.3/16"LG SOCKETHEAD	A2-70	1
6	ORM0340400XX	PRESSURE O-RING (SEE TABLE 1)	SEE TABLE 1	1
5	XXX/XXXX	PRESSURE PLATE (SEE TABLE 1 & DATA SHEET)	316 STST	1
4	11300	BODY MACHINING	CF8M	1
3	11004	TOP SCREW CAP	316/316L STST	1
2	11003	VACUUM POPPET	316 STST	1
1	10984	SPRING STEM	304/316 STST	1
Index	Part Number	Description	Material	Qty
Assembly BOM				

OVER 4.827 [70.0]	±3%
3.34 TO 4.827 [48.4 TO 70.0]	±0.138 [2.0]
UNDER 3.34 [48.4]	±0.1 [1.5]
SET PRESSURE RANGE BAR [PSI]	SET PRESSURE TOLERANCE BAR [PSI]
ALLOWABLE SET PRESSURE TOLERANCE TO ASME UG 134(d)(1) AND BS EN ISO 4126-1 2013	

SET PRESSURE
DEFINED AT
FIRST BUBBLE

SALES@FORTVALE.COM WWW.FORTVALE.COM

ENGLAND, USA, CHINA
NETHERLANDS, SINGAPORE

DO NOT SCALE - IF IN DOUBT ASK

UNLESS OTHERWISE STATED

ISO9001:2015
REGISTERED FIRM:
LRQ4007111

DESCRIPTION
1.5" BSP TWINACT PRESS/VACUUM R/V

TYPE
1.5" BSP CONNECTION, METRIC SETTINGS

3A/XXXXXXXX

MATERIAL: CF8M

SCALE: NTS MASS: 0.87 kg

CHECKED DVN: 37787

SHEET 1 OF 1

DRAWN BY: D BAILEY DATE: 20-Feb-19

DRG.NO.