

**VALSTEAM ADCA ENGINEERING S.A.**

Zona Ind. da Guia Pav.14 - Brejo  
 3105-467 GUIA PB  
 PORTUGAL  
 Tel.: 00351 – 236 959 060  
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 E-mail: adca@valsteam.pt  
 Home Page: http://www.valsteam.com



**SPECIFIC INSPECTION CERTIFICATE Nr. 4183**  
**CHEMICAL COMPOSITION**

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
01	02	ADCAPURE PRESSURE SUSTAINING VALVE	PS-161 0.8-1.5bar	16	1"	TC – ASME BPE

<b>BUYER:</b>	<b>PURCHASE ORDER Nr.</b>	11713
ROMYNOX BV STOOMWEG 23	<b>INTERNAL REFERENCE</b>	VE.69188
2631 RR NOOTDORP NETHERLANDS	<b>REGISTER Nr.</b>	ITEM01:119812/23

ITEM	QTY.	PART NAME	MATERIAL	STANDARD	REG. Nº.	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS				
						C	Si	Mn	P	S	Cr	Al	Mo	Ni	Cu	N	Tensile N/mm <sup>2</sup>	Yield N/mm <sup>2</sup>	Elong. %	R. of area %	
01	02	BODY	AISI316L/1.4404	EN 10272	<b>F37582</b> R36796	0,017	0,36	1,78	0,03	0,024	16,63	-	2,04	10,05	0,4	-	0,076	582	275	60	77,3
01	02	VALVE PLUG	AISI316L/1.4404	EN 10272	<b>F3723</b> R37935	0,021	0,36	1,82	0,025	0,022	16,64	-	2,04	10,05	0,36	-	0,076	644	312	55,2	77,9
01	02	VALVE STEM	AISI316L/1.4404	EN 10272	<b>F46722</b> R46710	0,018	0,32	1,326	0,031	0,027	16,59	-	2,034	10,08	0,5	-	0,1	711	302	32	68
01	02	TOP COVER	AISI316L/1.4404	EN 10272	<b>F46739</b> R46776	0,023	0,31	1,44	0,044	0,026	16,57	-	2,03	10,05	0,39	-	0,0605	608	322	52	-
01	02	INTERMEDIATE FLANGE	AISI316L/1.4404	EN 10272	<b>F46748</b> R38898	0,02	0,59	1,44	0,03	0,03	16,9	-	2	10	0,57	-	0,057	589	298	54	68
01	04	FERRULE	AISI316L/1.4404	ASME BPE	<b>F50288</b> R38328	0,016	0,43	0,45	0,031	0,014	16,73	-	2,04	10,05	-	-	0,06	572	237	68	-

The sub suppliers' EN10204 3.1 certificates certified the above entries

OBSERVATIONS	QUALITY CONTROL
The register number in bold correspond to heat number marked on the equipment Intergranular Corrosion test according to ASTM A-262 PRACTICE E	<b>Works Inspector</b> <b>Daniel Gregório</b>
IDENTIFICATION MARKS:	 <b>Date 21 / 06 / 2023</b>

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**ADCA**Pure

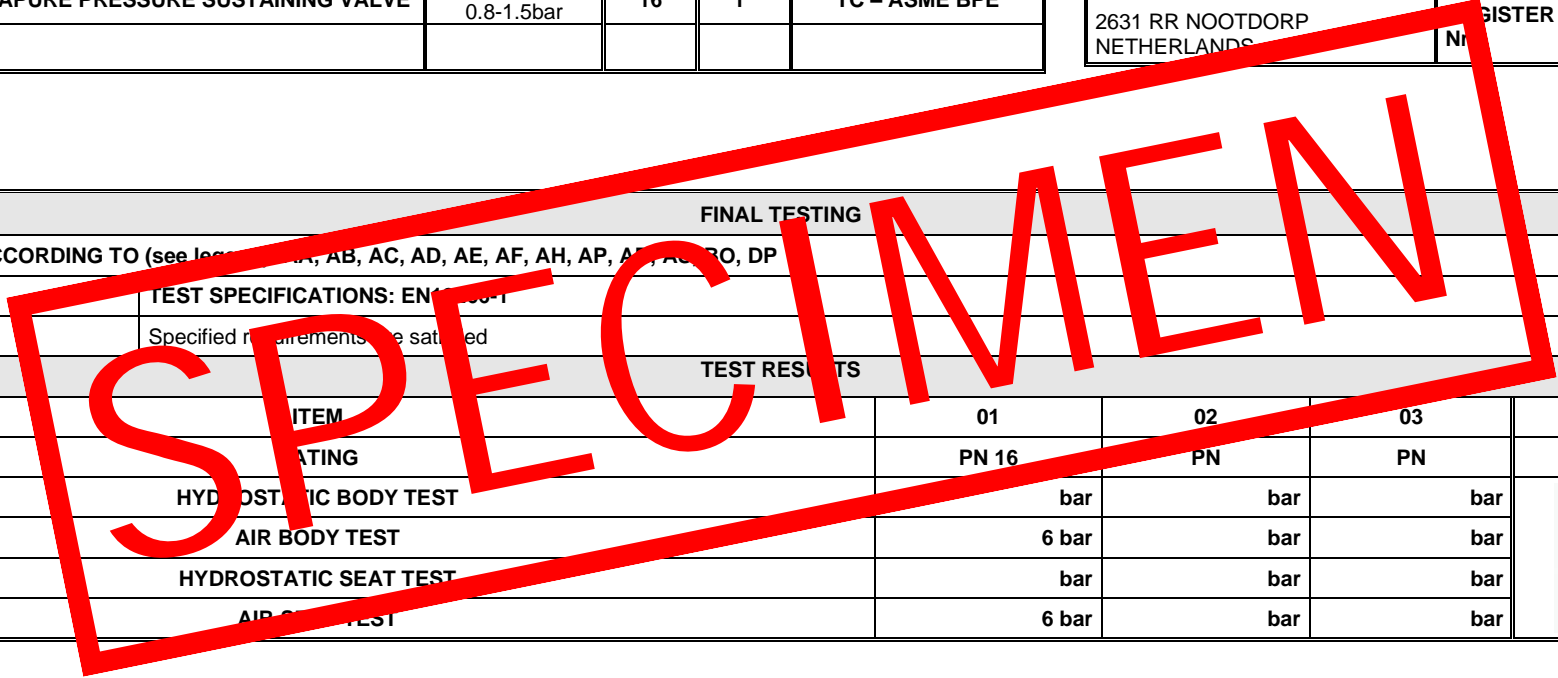
**SPECIFIC INSPECTION CERTIFICATE Nr. 4183**

**FINAL TESTING**

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
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FINAL TESTING				
TEST PROCEDURE ACCORDING TO (see lecture notes, AB, AC, AD, AE, AF, AH, AP, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, DP)				
FURTHER TESTS:	TEST SPECIFICATIONS: EN 10204-2			
RESULT OF TESTS:	Specified requirements are satisfied			
TEST RESULTS				
ITEM	01	02	03	Quality Control
FLUATING	PN 16	PN	PN	Works Inspector
HYDROSTATIC BODY TEST	bar	bar	bar	Daniel Gregório
AIR BODY TEST	6 bar	bar	bar	 Date 21/06/2023
HYDROSTATIC SEAT TEST	bar	bar	bar	
AIR SEAT TEST	6 bar	bar	bar	



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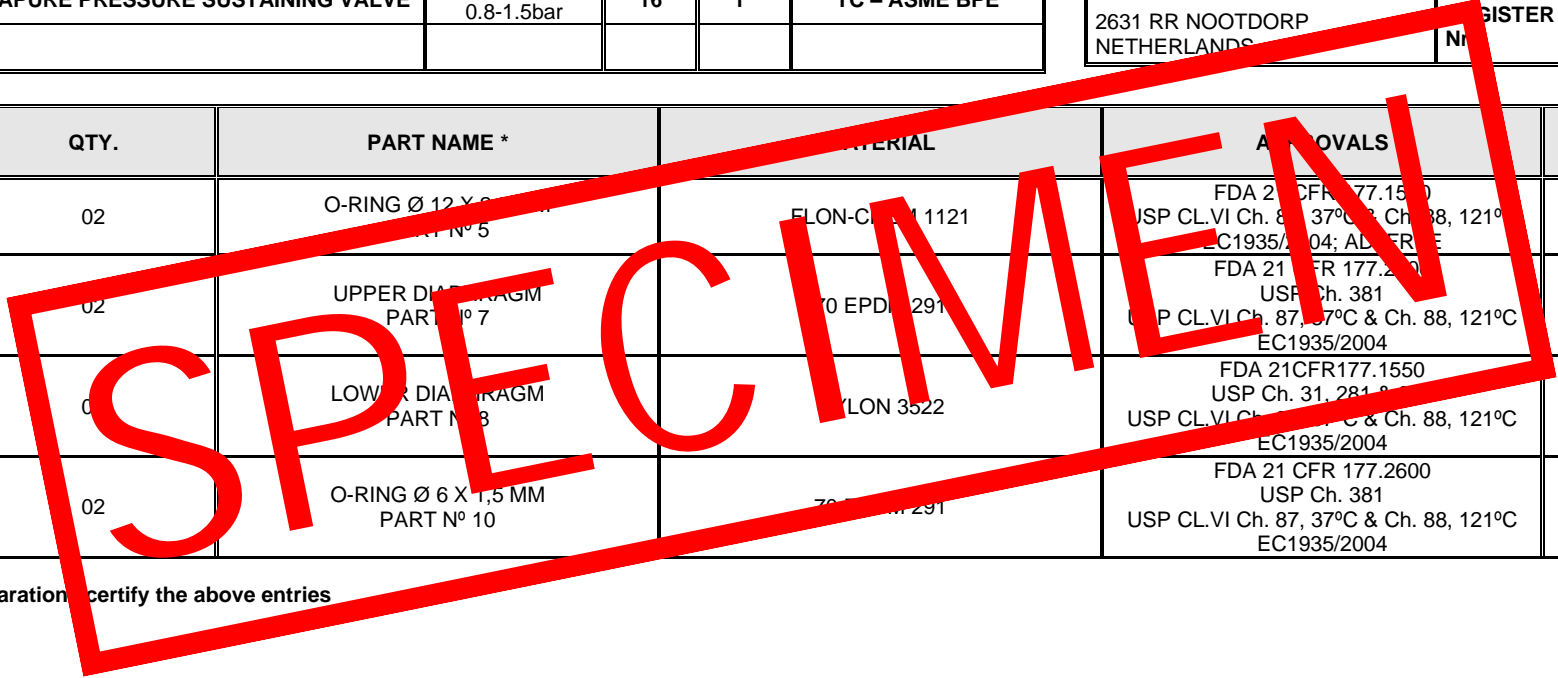
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**ELASTOMERS**

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
01	02	ADCAPURE PRESSURE SUSTAINING VALVE	PS-161 0.8-1.5bar	16	1"	TC – ASME BPE

<b>BUYER:</b>	<b>PURCHASE ORDER Nr.</b>	11713
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2631 RR NOOTDORP NETHERLANDS	<b>REGISTER Nr.</b>	ITEM01:119812/23

ITEM	QTY.	PART NAME *	MATERIAL	APPROVALS	REG. Nº.
01	02	O-RING Ø 12 X 6 PART Nº 5	FLON-C 11121	FDA 21CFR 177.1550 USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C EC1935/2004; ALERIE	R37835
01	02	UPPER DIA. O-RING PART Nº 7	70 EPDM 291	FDA 21CFR 177.2600 USP Ch. 381 USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C EC1935/2004	R43627
01	02	LOWER DIA. O-RING PART Nº 8	FLON 3522	FDA 21CFR 177.1550 USP Ch. 31, 281°C USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C EC1935/2004	R39310
01	02	O-RING Ø 6 X 1,5 MM PART Nº 10	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381 USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C EC1935/2004	R44953



The sub suppliers' declaration certify the above entries

OBSERVATIONS	QUALITY CONTROL
We hereby certify that the supplies detailed hereon are in accordance with the requirements of the above purchase order and unless otherwise stated, conform in all aspects to the agreed material specifications detailed above.	<b>Works Inspector</b> <i>Daniel Gregório</i>
* Position Number and designation in accordance to drawing found in IMI (Installation and Maintenance Instructions) of equipment supplied. The sub suppliers' certificates certified the above entries.	 Date 21 / 06 / 2023

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**SPECIFIC INSPECTION CERTIFICATE Nr. 4183**

**POLISH FINISHING**

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ITEM	QTY.	PART NAME	MATERIAL	STANDARD	DEPTH OF ROUGHNESS	
					External surface Ra max µm	Internal surface Ra max µm
01	02	BODY	AISI316L/1.4404	EN10272	<0,7	<0,5
01	02	VALVE PLUG	AISI316L/1.4404	EN10272	<0,5	-
01	02	VALVE STE	AISI316L/1.4404	EN10272	<0,5	-

SPECIMEN

QUALITY CONTROL		
INSPECTION		RESULTS
CONTROL OF DIMENSIONS		SATISFACTORY
VISUAL INSPECTION		SATISFACTORY
OBSERVATIONS	MECHANICAL FINISHING	

Works Inspector  
**Daniel Gregorio**  
  
 Date 21/06/2023

1. TECHNICAL DELIVERY CONDITIONS FOR VALVES

SYMBOL	TESTINGS / PROCEDURE
A	Visual inspection tests:
AA	Checking of order specifications
AB	Inspection of type and fittings
AC	Inspection of marking
AD	Dimensional check
AE	Surface inspection
AF	Inspection of connecting surfaces
AH	Spectometric inspection
AP	Visual inspection
AR	Checking of material records
AS	Visual welding inspection
B	Leak and sealing tests:
BO	Leak test on the closure with air – 6 bar – according to EN12266-1 / EN 20948
BN	Leak test on the closure with water - 1.1 x PN – according to EN 12266-1
BP	Leak test in packaged assemblies
C	Non-destructive materials testing
CA	X-ray testing
CC	Crack testing using dye penetration method
D	Strength tests
BQ	Leak test on the housing with water - 1.5 x PN – according to EN12266-1
DI	Air body test - EN 12266-1
DH	Hydrostatic body test according to PED
E	Calibrations:
EV	Safety valve calibration
F	Functional tests
FF	Testing of operational functioning

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