

VALSTEAM ADCA ENGINEERING S.A.

Zona Ind. da Guia Pav.14 - Brejo
 3105-467 GUIA PB
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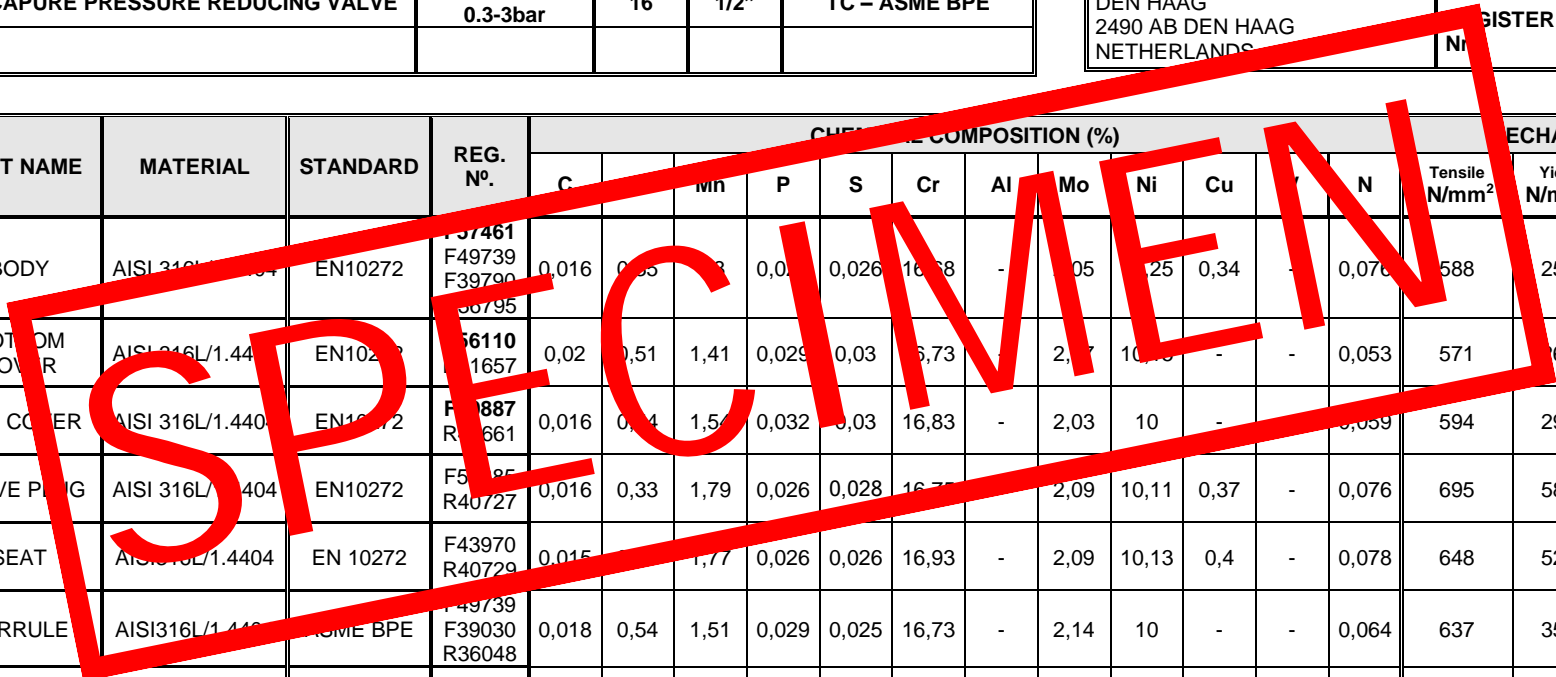


SPECIFIC INSPECTION CERTIFICATE Nr. 5303
CHEMICAL COMPOSITION

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
01	01	ADCAPURE PRESSURE REDUCING VALVE	P130J 0.3-3bar	16	1/2"	TC – ASME BPE

BUYER:	PURCHASE ORDER Nr.	13018
ROMYNOX BV POST BUS 24069 DEN HAAG 2490 AB DEN HAAG NETHERLANDS	INTERNAL REFERENCE	VE.76533
	REGISTER Nr.	ITEM01:131301/24

ITEM	QTY.	PART NAME	MATERIAL	STANDARD	REG. Nº.	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS				
						C	Mn	P	S	Cr	Al	Mo	Ni	Cu	N	Tensile N/mm ²	Yield N/mm ²	Elong. %	R. of area %		
01	01	BODY	AISI 316L/1.4404	EN10272	F37461 F49739 F39790 F38795	0,016	0,035	1,41	0,029	0,026	16,73	-	2,05	10,11	0,34	-	0,076	588	258	54,2	78,6
01	01	BOTTOM COVER	AISI 316L/1.4404	EN10272	F6110 F49739 F39790 F38795	0,02	0,51	1,41	0,029	0,03	16,73	-	2,07	10,11	-	-	0,053	571	262	54	76
01	01	TOP COVER	AISI 316L/1.4404	EN10272	F3887 F49739 F39790 F38795	0,016	0,4	1,5	0,032	0,03	16,83	-	2,03	10	-	-	0,039	594	290	50	67
01	01	VALVE PLUG	AISI 316L/1.4404	EN10272	F5285 F49739 R40727	0,016	0,33	1,79	0,026	0,028	16,73	-	2,09	10,11	0,37	-	0,076	695	582	42,2	71,2
01	01	SEAT	AISI 316L/1.4404	EN 10272	F43970 R40729	0,015	0,33	1,77	0,026	0,026	16,93	-	2,09	10,13	0,4	-	0,078	648	520	41,4	70,4
01	02	FERRULE	AISI316L/1.4404	ASME BPE	F49739 F39030 R36048	0,018	0,54	1,51	0,029	0,025	16,73	-	2,14	10	-	-	0,064	637	350	47	73



The sub suppliers' EN 10204 3.1 certificates certified the above entries

OBSERVATIONS	QUALITY CONTROL
	Works Inspector Daniel Gregório
The register number in bold correspond to heat number marked on the equipment Intergranular Corrosion test according to ASTM A-262 PRACTICE E	 Date 02 / 08 / 2024
IDENTIFICATION MARKS:	

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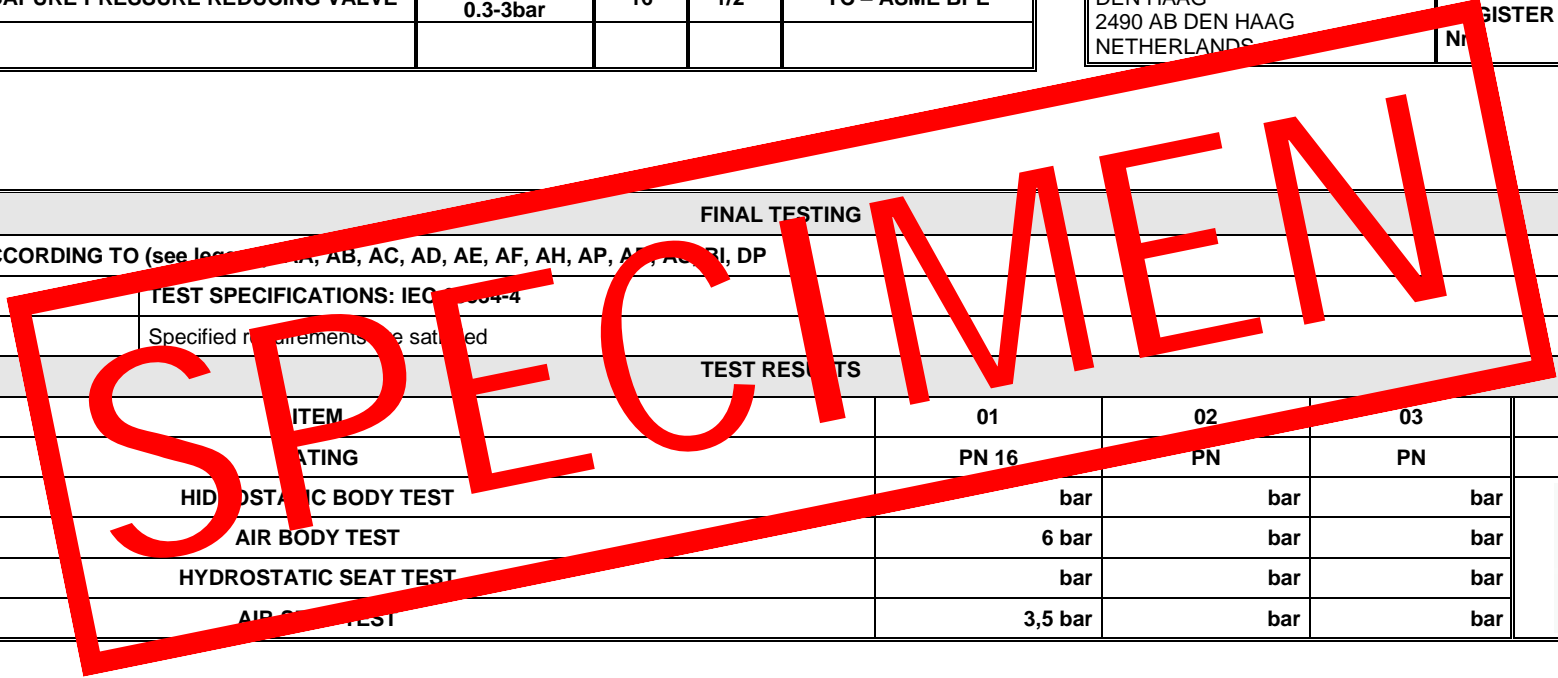
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FINAL TESTING

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
01	01	ADCAPURE PRESSURE REDUCING VALVE	P130J 0.3-3bar	16	1/2"	TC – ASME BPE

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FINAL TESTING				
TEST PROCEDURE ACCORDING TO (see IEC 60534-4, AB, AC, AD, AE, AF, AH, AP, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ				
TEST SPECIFICATIONS: IEC 60534-4				
RESULT OF TESTS: Specified requirements are satisfied				
TEST RESULTS				
ITEM	01	02	03	Quality Control
OPERATING	PN 16	PN	PN	Works Inspector
HYDROSTATIC BODY TEST	bar	bar	bar	Daniel Gregório
AIR BODY TEST	6 bar	bar	bar	 Date 02/08/2024
HYDROSTATIC SEAT TEST	bar	bar	bar	
AIR SEAT TEST	3,5 bar	bar	bar	



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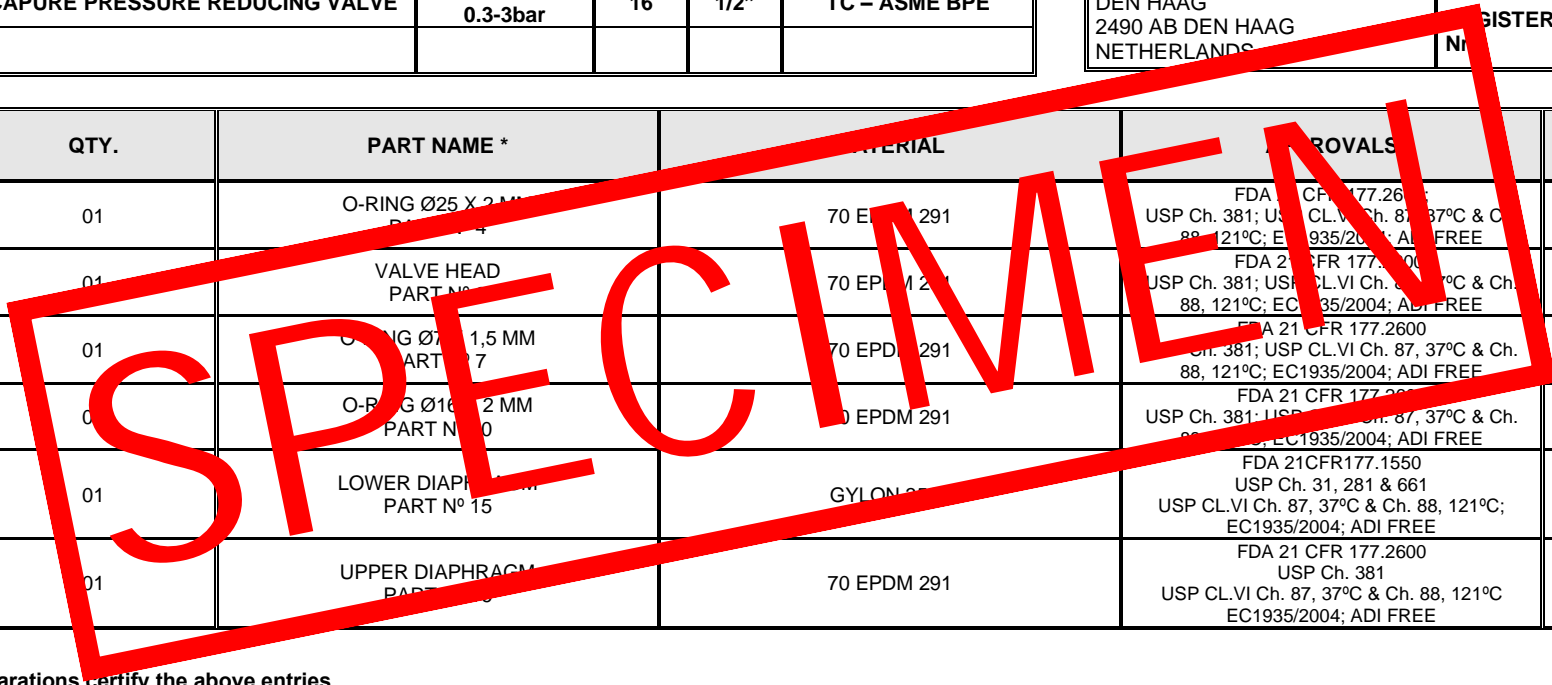
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ELASTOMERS

EQUIPMENT SUPPLIED						
ITEM	QTY.	DESCRIPTION	MODEL	PN	DN	CONNECTIONS
01	01	ADCAPURE PRESSURE REDUCING VALVE	P130J 0.3-3bar	16	1/2"	TC – ASME BPE

BUYER:	PURCHASE ORDER Nr.	13018
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ITEM	QTY.	PART NAME *	MATERIAL	APPROVALS	REG. Nº.
01	01	O-RING Ø25 X 2 MM PART Nº 4	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381; USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C; EC1935/2004; ADI FREE	R47652
01	01	VALVE HEAD PART Nº 7	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381; USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C; EC1935/2004; ADI FREE	F54853 R42761
01	01	O-RING Ø7 X 1,5 MM PART Nº 7	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381; USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C; EC1935/2004; ADI FREE	R41324
01	01	O-RING Ø16 X 2 MM PART Nº 0	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381; USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C; EC1935/2004; ADI FREE	R42471
01	01	LOWER DIAPHRAGM PART Nº 15	NYLON 66	FDA 21CFR177.1550 USP Ch. 31, 281 & 661 USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C; EC1935/2004; ADI FREE	R41411
01	01	UPPER DIAPHRAGM PART Nº 15	70 EPDM 291	FDA 21 CFR 177.2600 USP Ch. 381 USP CL.VI Ch. 87, 37°C & Ch. 88, 121°C EC1935/2004; ADI FREE	R42778



The sub suppliers' declarations certify the above entries

OBSERVATIONS 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. * 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.	QUALITY CONTROL Works Inspector Daniel Gregório

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ADCAPure

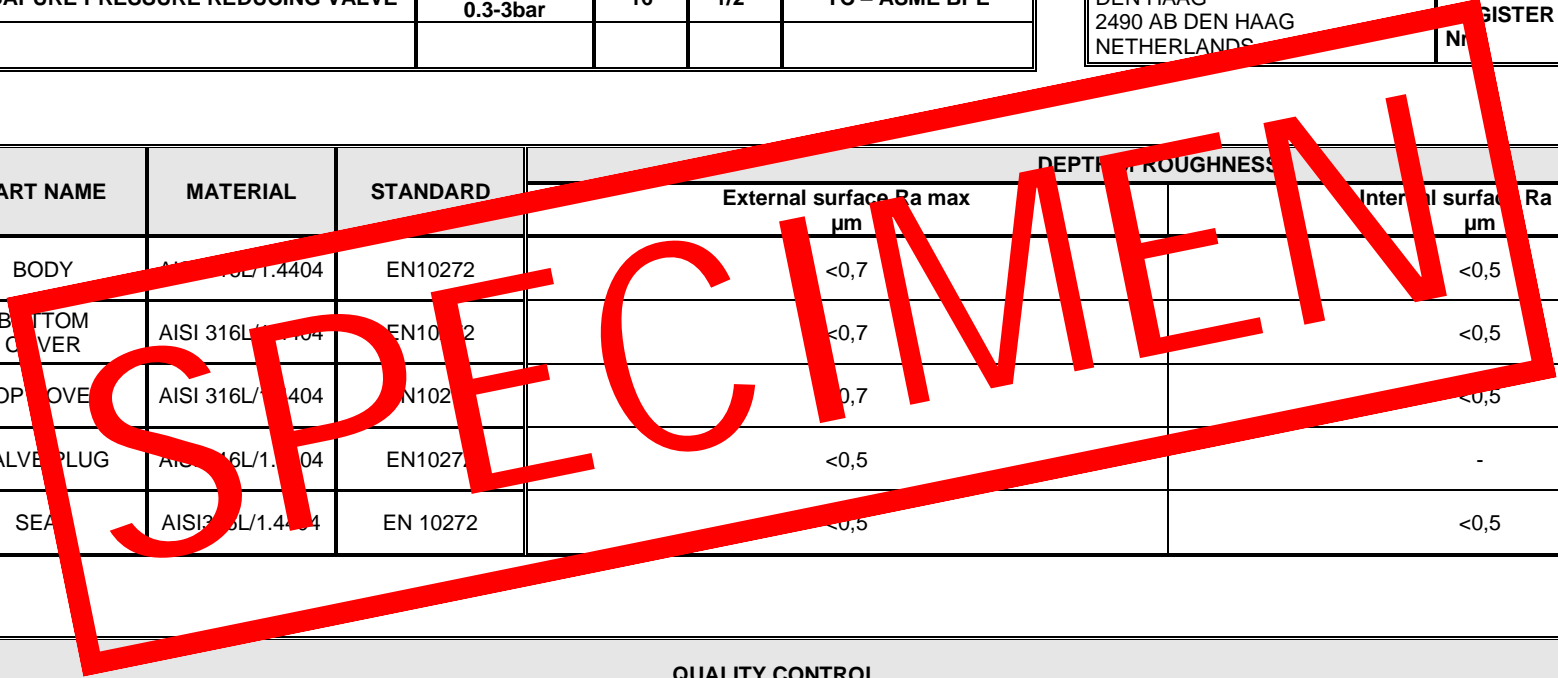
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POLISH FINISHING

EQUIPMENT SUPPLIED						
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ITEM	QTY.	PART NAME	MATERIAL	STANDARD	DEPTH OF ROUGHNESS	
					External surface Ra max µm	Internal surface Ra max µm
01	01	BODY	AISI 316L/1.4404	EN10272	<0,7	<0,5
01	01	BOTTOM COVER	AISI 316L/1.4404	EN10272	<0,7	<0,5
01	01	TOP COVER	AISI 316L/1.4404	EN10272	<0,7	<0,5
01	01	VALVE PLUG	AISI 316L/1.4404	EN10272	<0,5	-
01	01	SEAL	AISI 316L/1.4404	EN 10272	<0,5	<0,5



QUALITY CONTROL		
INSPECTION	RESULTS	Works Inspector
CONTROL OF DIMENSIONS	SATISFACTORY	Daniel Gregorio Date 02/08/2024
VISUAL INSPECTION	SATISFACTORY	
OBSERVATIONS	MECHANICAL FINISHING	

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	Spectrometric inspection
AP	Visual inspection
AR	Checking of material records
AS	Visual welding inspection
B	Leak and sealing tests
BN	Leak test on the closure with water - 1 x PN – according to EN 12266-1
BO	Leak test on the closure with air - 6bar – according to EN 12266-1
BI	Leak test on the closure with air - 3.5bar – according to EC 0534-4
BP	Leak test in packaged assemblies
C	Non-destructive material testing
CA	X-ray testing
CB	Crack testing using dye penetration method
D	Strength test:
BQ	Leak test on the housing with water - 1.5 x PN – according to EN 12266-1 / ISO 5117
DP	Air body test 6bar
DH	Hydrostatic body test according to PED
E	Calibrations:
EV	Safety valve calibration
F	Functional tests
FF	Testing of operational functioning



DECLARAÇÃO DE FABRICANTE MANUFACTURER'S DECLARATION

De acordo com a Directiva ATEX 2014/34/UE sobre aparelhos e sistemas de protecção destinados a ser utilizados em atmosferas potencialmente explosivas
In accordance with the Directive ATEX 2014/34/EU – equipment for use in potentially explosive atmospheres

VALSTEAM ADCA ENGINEERING, SA
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A **VALSTEAM ADCA ENGINEERING, SA** com Sistema de Gestão da Qualidade segundo **NP EN ISO 9001** garante e declara que os equipamentos listados abaixo, quando utilizados de acordo com a utilização prevista descritos nos catálogos e instruções de manutenção e utilização (IMI), não estão abrangidos pela diretiva ATEX 2014/34/EU. Esta análise é baseada no ponto 38 - produtos "simples" da 2ª edição da Guia Interpretativo da diretiva ATEX – dezembro 2017.

VALSTEAM ADCA ENGINEERING, SA with Quality Management System according to **NP EN ISO 9001** ensure and declares that the equipment listed below, when used for their intended purpose – described in the relevant ATEX data sheets and Installation & Operating Manuals, do not fall within the scope of Directive ATEX 2014/34/EU. This assessment is based on the note in point 38 "Simple" products of the ATEX Guidelines, 2nd Edition – December 2017.

Válvulas redutora de pressão Pressure reducing valves	P130; P141; P160; P161; P163; F173
Marca Ex: Ex marking:	De acordo com a Directiva 2014/34/UE, estes equipamentos não podem auferir a marcação CE relativa a esta Diretiva, nem ser marcados com Ex. No entanto, alguns aparelhos podem estar abrangidos por outras diretivas que lhes conferem a marcação CE, conforme descrito nos dados que os acompanham. In accordance with the Directive 2014/34/EU these equipment's cannot be labeled with CE mark nor Ex marking. However, some of these equipment's can be in scope of other directives that granted them CE mark, according to the Conformity Declarations that accompanied with them.
Zona Explosiva: EX Zone:	Os equipamentos podem ser usados em zona explosiva de gás 0,1 e 2. The equipment may be used in the gas explosion danger zone 0,1 and 2
Normas aplicadas: Harmonised standards used:	EN 1127-1:2011, ISO80079-36:2016
Modificações: Modifications:	Esta declaração não abrange alterações feitas ao produto sem o consentimento da VALSTEAM. This declaration is not valid for modifications made to the product without VALSTEAM consent.
Instalação: Installation:	É responsabilidade do projetista, ou instalador verificar e atestar os riscos de integração do aparelho no sistema: sua função, compatibilidade de materiais, limites de pressão e temperatura, correta instalação, operação e manutenção, de acordo com a utilização prevista nas instruções de manutenção e utilização (IMI). Os corpos das válvulas devem ser ligados ao sistema principal de terras de forma a dispersar alguma carga electroestática em partes condutoras plásticas ou metálicas. A ligação ao sistema de terras é da responsabilidade do projetista e utilizador. It is responsibility of the system designer and user to access the integration of the equipment in the system: function, material compatibility, adequate ratings, proper installation, operation and maintenance, according to the Operating Manuals (IMI) and intended use. Valve bodies must be properly grounded in order to divert any electro-static charge on conductive plastic and metallic parts. System grounding is responsibility of the user or system designer.

Mónica Soares

Administrador da VALSTEAM ADCA ENGINEERING, SA
Pombal, 16 / 08 / 2023