



A division of the WIKA group

Needle valve for Cryogenic Application Data sheet

ORDER DATA			DOCUMENT INFORMATIONS		
1	SAMI's Project No.		7	Document number	DSUT003NVEN
2	Contract No.		8	Page	1
3	Client:		9	Revision	A
4	Project Name:		10	Date	03/04/2018
5	Project location:		11	Issued by	MANIERO
6	Reference Spec.:		12	Description	First issue
GENERAL DATA FROM CUSTOMER			VALVE MATERIALS		
13	Tag Num.		64	Bonnet type	Screwed bonnet
14	Valve code		65	Body	ASTM A479 F316/F316L
15	Pipe class		66	Stem	ASTM A479 F316/F316L
16	Service	Isolation	67	Obturator	ASTM A479 F316/F316L
17	Location		68	Gland	ASTM A479 F316/F316L
18	Line N°		69	Gaskets	PTFE
19	Quantity		70	Handle	ASTM A479 F316/F316L
20			71		
DESIGN DATA			WEIGHT AND DIMENSION		
22	Pressure (PSI) barg	(6000) 414	73	Weight	kg tbd
23	Temperature °C	-196° / +210°	74	Face to face dimensions	mm tbd
24	Design reference	n.a.	75	Packing	SAMI's STANDARD
25	Fire safe	NO	76		
26	Fugitive Emission	NO	77	TEST REQUIREMENTS, CERTIFICATE AND ACCEPTANCE CRITERIA	
27	Painting & final color	n.a.	78	Pressure test	Shell test 1,5 x Design Pressure
28	Anti blow out stem	Yes	79	Charpy Impact Test	No
29	Fluyds		80	Fugitive emission testing Part.2	No
30	Sour service	No	81	Low temperature testing	No
31	Design Life	30 years	82	Visual examination (VT)	MSS-SP-25
32			83	Dye penetrant Test. (PT)	No
BASE CONFIGURATION FOR CODING			MANUFACTURERS DATA		
34	Needle valve Type	Single isolation screwed bonnet	84	Magnetic Test (MT)	No
35	Size inlet inch	tbd	85	Ultrasonic Test (UT)	No
36	Connection inlet type (*107)	tbd	86	Radiography (Rx)	No
37	Size outlet inch	tbd	87	Material specification	EN 10204 3.1 for BODY
38	Connection outlet type	tbd	88	Tagging	Laser marking
39	Rating (ANSI Class)	tbd	89		
40	Configuration	tbd	90	Manufacturer	SAMI INSTRUMENTS SRL
41	Trim configuration	tbd	91	Valve type	Isolation needle valve
42	Body & trim material	ASTM A182 F316/F316L	92	Item Number	tbd
43			93	Code	tbd
44			94		
45			95		
STANDARD OPTIONS FOR CODING			96		
46	Drain Type inch	no	97		
47	Locking Device	no	98		
48	T-bar handle	yes	99		
49	Handwheel handle	no	100		
50			101		
51	lox cleaning	no	102		
52	Anti tamper	no	103		
53			104		
54			105		
55			106		
56			107		
57			108		
58			109		
59			110		
60			111		
61			112		
62			113		
63			114		
NOTES:					
115	PRESSURE RATINGS:				
116	6000 PSI @ -320 °F (414bar @ -196 °C)				
117	4000 PSI @ 400°F (276bar @ 210°C)				
118					
119					
120					
121					
122					
123					

