

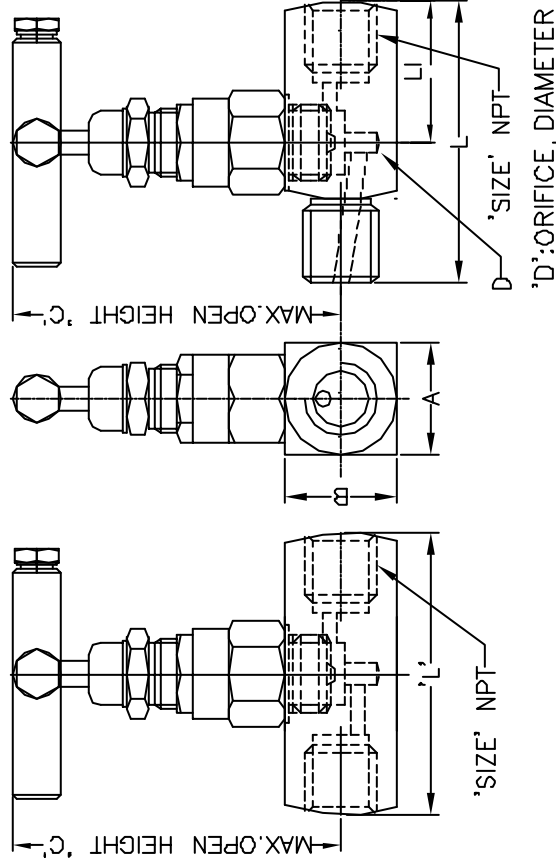
AURA

HARD SEAT NEEDLE VALVE

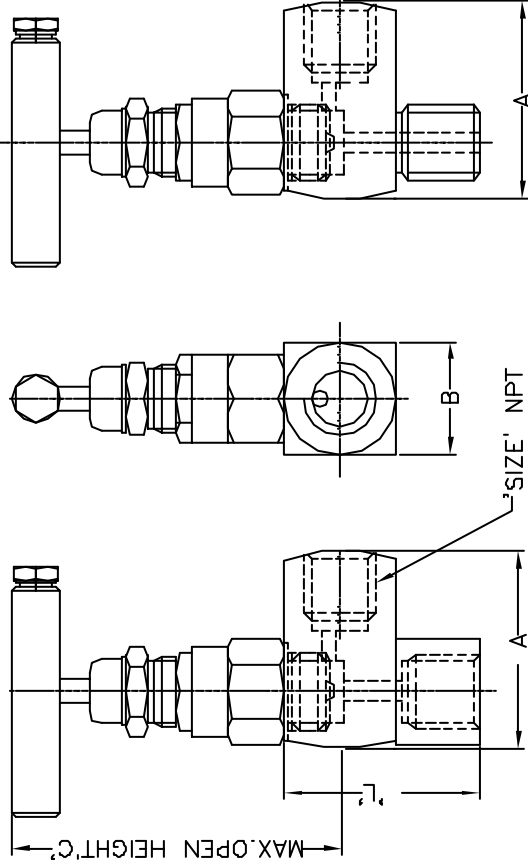
SIZES	:	1/8" to 1"						
BODY	:	Forged single piece CS, ASTM A 105 plated or ASTM A182 F 316SS Angled Angled / Straight pattern						
END CONNECTIONS	:	Screwed NPT						
STEM	:	Close tolerance surface finish, cold rolled threads, ASME SA-479 Type 316 SS						
NEEDLE TIP	:	Hardened & Ground. Self Centering , non rotating						
GLAND PACKING	:	Adjustable, below stem thread design (PBT), prevent process fluid contact with stem threads. PTFE for Temp. below 400°F/Graphite for Temp above 400°F.						
SEAT	:	Integral Metal To Metal						
HANDLE	:	'T' bar handle. CS, ASTM A108 plated or ASME-SA-479 Type 316 SS						
WASHER	:	ASME-SA-479 Type 316 SS						
PRESSURE/TEMPERATURE	:	<table><thead><tr><th><u>TEMPERATURE</u></th><th><u>PRESSURE</u></th></tr></thead><tbody><tr><td>200 °F</td><td>10,000 psi</td></tr><tr><td>500 °F</td><td>4,000 psi</td></tr></tbody></table>	<u>TEMPERATURE</u>	<u>PRESSURE</u>	200 °F	10,000 psi	500 °F	4,000 psi
<u>TEMPERATURE</u>	<u>PRESSURE</u>							
200 °F	10,000 psi							
500 °F	4,000 psi							
TEST PRESSURES	:	Body : Hydrostatic at 10,000 Seat & Gland : 1,000 psi with Nitrogen						
OPTIONS	:	<ul style="list-style-type: none">• Material of construction confirming to NACE MR-01-75• Other Materials available on request• Socket weld Ends• Compression Ends up to ½" size• Screwed Ends with BSP/ BSPT/ ISO/ Special Threads						

REV.	REASON FOR ISSUE.	DATE	DRN.	CHKD.
0.00	REL.FOR MANU.	08.17.99	D.K.D	G.G.A
1.00	ALFATECHNICA SRL.	11.15.01	D.K.D	G.G.A
2.00	WGI DRAWING.	02.20.02	D.K.D	G.G.A
3.00	DESIGN UPGRADE.	12.10.02	D.K.D	G.G.A
4.00	ADDED Cv INFORM.	10.03.03	D.K.D	G.G.A

STRAIGHT PATTERN



ANGLED PATTERN



PROJECT/CLIENT

Aura Inc.
 D11/3,OKHALA IND. AREA,
 PHASE II, NEW DELHI
 INDIA.
 www.aurainc.com

TITLE

**HARD SEAT
 NEEDLE VALVE**

PRESSURE RATING	10,000PSI
TEMPERATURE RATING.	500° F

PATTERN A= ANGLED,G =STRAIGHT

ALL DIMENSIONS ARE IN MM.

SHEA 10F 2

ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE,TO BE USED FOR REFERENCE ONLY.

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DRG.NO: AI-HSNV-001

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PART NO.	SIZE	PATTERN	ENDS	MATL	A	B	C	L	L1	D	Cv
AN1511	1/8"	G	FxF	CS	28.5	28.5	86.0	60.0		4.2	0.40
AN1512	1/4"	G	FxF	CS	28.5	28.5	86.0	60.0		4.2	0.40
AN1513	3/8"	G	FxF	CS	32.0	32.0	88.0	68.0		6.4	0.90
AN1514	1/2"	G	FxF	CS	38.0	38.0	92.0	68.0		7.0	1.10
AN1516	3/4"	G	FxF	CS	40.0	40.0	93.0	68.0		9.0	2.30
AN1518	1"	G	FxF	CS	45.0	45.0	112.0	80.0		12.0	3.50
AN1532	1/4"x1/4"	G	MxF	CS	28.5	28.5	86.0	76.0	30.0	4.2	0.40
AN1534	1/2"x1/2"	G	MxF	CS	38.0	38.0	92.0	89.0	32.0	7.0	1.20
AN1536	3/4"x3/4"	G	MxF	CS	40.0	40.0	92.0	89.0	32.0	9.0	2.30
AN1537	3/4"x1/2"	G	MxF	CS	40.0	40.0	93.0	89.0	32.0	7.0	1.90
AN1538	1"x1"	G	MxF	CS	45.0	45.0	112.0	105.0	43.0	12.0	3.5
AN1551	1/8"	A	FxF	CS	42.0	28.0	86.0	42.0		4.2	0.70
AN1552	1/4"	A	FxF	CS	42.0	28.0	86.0	42.0		4.2	0.80
AN1553	3/8"	A	FxF	CS	42.0	28.0	86.0	42.0		6.4	1.60
AN1554	1/2"	A	FxF	CS	50.0	32.0	92.0	50.0		7.0	2.2
AN1556	3/4"	A	FxF	CS	50.0	36.0	92.0	50.0		9.0	2.2
AN1558	1"	A	FxF	CS	60.0	46.0	112.0	60.0		12.0	2.2
AN1572	1/4"	A	MxF	CS	42.0	28.0	86.0	42.0		4.2	0.60
AN1574	1/2"	A	MxF	CS	50.0	32.0	86.0	50.0		7.0	1.50
AN1311	1/8"	G	FxF	316SS	28.5	28.5	86.0	60.0		4.2	0.40
AN1312	1/4"	G	FxF	316SS	28.5	28.5	86.0	60.0		4.2	0.40
AN1313	3/8"	G	FxF	316SS	32.0	32.0	88.0	68.0		6.4	0.90
AN1314	1/2"	G	FxF	316SS	38.0	38.0	92.0	68.0		7.0	1.10
AN1316	3/4"	G	FxF	316SS	40.0	40.0	93.0	68.0		9.0	2.30
AN1318	1"	G	FxF	316SS	45.0	45.0	112.0	80.0		12.0	3.50
AN1332	1/4"x1/4"	G	MxF	316SS	28.5	28.5	86.0	76.0	30.0	4.2	0.40
AN1336	3/4"x3/4"	G	MxF	316SS	40.0	40.0	93.0	89.0	32.0	9.0	2.30
AN1337	3/4"x1/2"	G	MxF	316SS	38.0	38.0	93.0	89.0	32.0	7.0	1.20
AN1338	1"x1"	G	MxF	316SS	45.0	45.0	112.0	105.0	43.0	12.0	3.5
AN1334	1/2"x1/2"	G	MxF	316SS	38.0	38.0	92.0	89.0	32.0	7.0	1.20
AN1351	1/8"	A	FxF	316SS	42.0	28.0	86.0	42.0		4.2	0.70
AN1352	1/4"	A	FxF	316SS	42.0	28.0	86.0	42.0		4.2	0.80
AN1353	3/8"	A	FxF	316SS	42.0	28.0	86.0	42.0		6.4	1.60
AN1354	1/2"	A	FxF	316SS	50.0	32.0	92.0	50.0		7.0	2.2
AN1356	3/4"	A	FxF	316SS	50.0	36.0	93.0	50.0		9.0	2.2
AN1358	1"	A	FxF	316SS	60.0	46.0	112.0	60.0		12.0	2.2
AN1372	1/4"	A	MxF	316SS	42.0	28.0	86.0	42.0		4.2	0.60
AN1374	1/2"	A	MxF	316SS	50.0	32.0	86.0	50.0		7.0	1.50

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