

UN SERIES NEEDLE VALVE



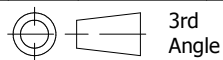
Needle Valves 10,000 PSI

The precision made 'UN' series, single isolation hand valve utilising metal to metal seat and body to bonnet connection for superior, bubble tight sealing capabilities at both extreme pressures and temperatures. The 'UN' series also offers non-rotating hardened tip for extended service life. The unique anti-vibration cam locking device at the body bonnet connection is for extra safety. Maximum working pressure is 10,000psi. Maximum working temperature up to 230°C and up to 427°C with GP option.

DESIGN FEATURES

Bubble tight metal to metal seat for positive shut off	Temperature range -40°C to 230°C (427°C with GP option)
2 piece non-rotating hardened (17-4PH) tip for first time seal and long service life.	Repair / service kits available to extend field life further.
Metal to metal body bonnet seal for high pressure and high temperature sealing.	Actuating threads are above the packing seals to prevent contamination by process medium.
Unique bonnet locking cam. No accidental removal of head unit, or loosening due to vibration.	Body to bonnet ingress seal fitted as standard to prevent crevice corrosion.
Positive no slack stem action.	Full material traceability of major components.
Back sealing stem to extend packing life.	Fire-safe option available.
Materials of construction can be supplied to meet the latest requirements of NACE MR-01-75	Other connection types available, ie. BSPP, BSPT

REVISIONS

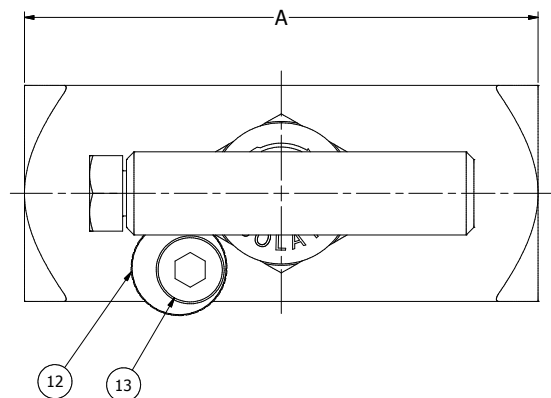
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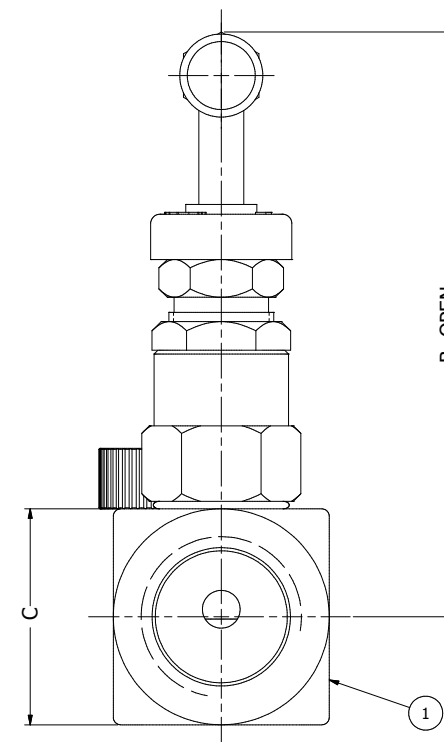
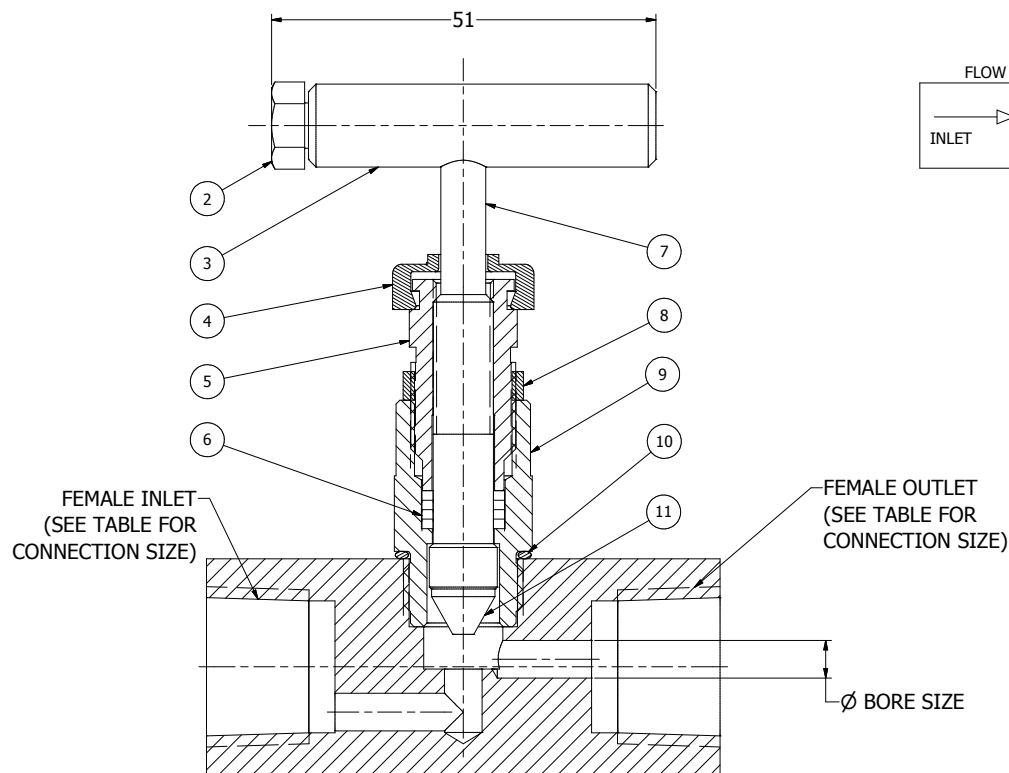
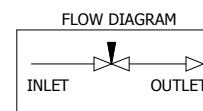
PRESSURE RATINGS ARE COLD WORKING, NON-SHOCK AND SUBJECT TO TEMPERATURE LIMITATIONS, UNLESS OTHERWISE STATED. PLEASE SEE SPECIFIC PRODUCT DATA

DIMENSIONS AND
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TYPICAL VALVE LAYOUT

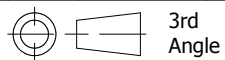


PART NO	CONNECTION SIZE	A	B	BORE	C	CV	WEIGHT
UN2NS	1/4" NPT	61	76	4	25	0.6	0.40 Kg
UN3NS	3/8" NPT	61	76	4	25	0.6	0.38 Kg
UN4NS	1/2" NPT	68	77	5	29	0.7	0.47 Kg
UN6NS	3/4" NPT	76	82	5	38	0.8	0.80 Kg
UN8NS	1" NPT	85	85	8	45	1.8	1.2 Kg



IT	DESCRIPTION	MATERIAL	QTY
1	NEEDLE BODY	A479 UNS S31600	1
2	HANDLE BOLT	A4 ST/ST	1
3	"T" HANDLE	UNS S31600	1
4	ISOLATE DUST CAP	PVC	1
5	GLAND ADJUSTER	UNS S31600	1
6	GLAND PACKING	RTFE	4
7	NEEDLE STEM	A479 UNS S31600	1
8	GLAND LOCKNUT	UNS S31600	1
9	BONNET HOUSING	A479 UNS S31600	1
10	INGRESS SEAL	VITON	1
11	VALVE TIP	A564 UNS S17400	1
12	LOCKING CAM	UNS S31600	1
13	CAM SCREW	A4 ST/ST	1

REVISIONS

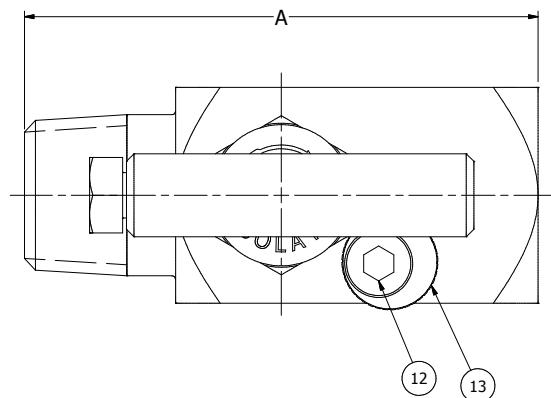
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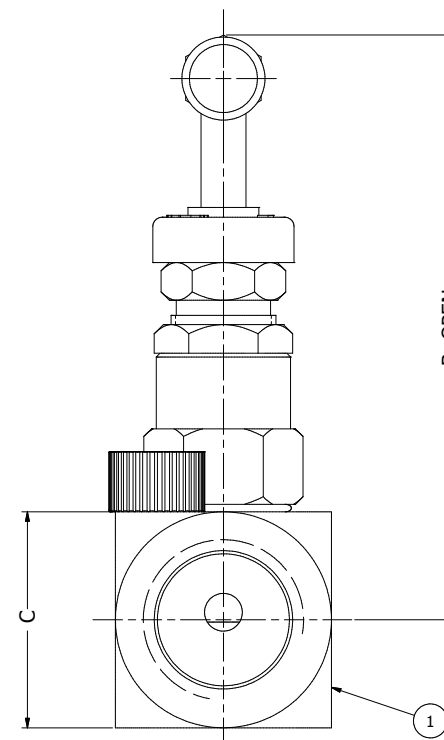
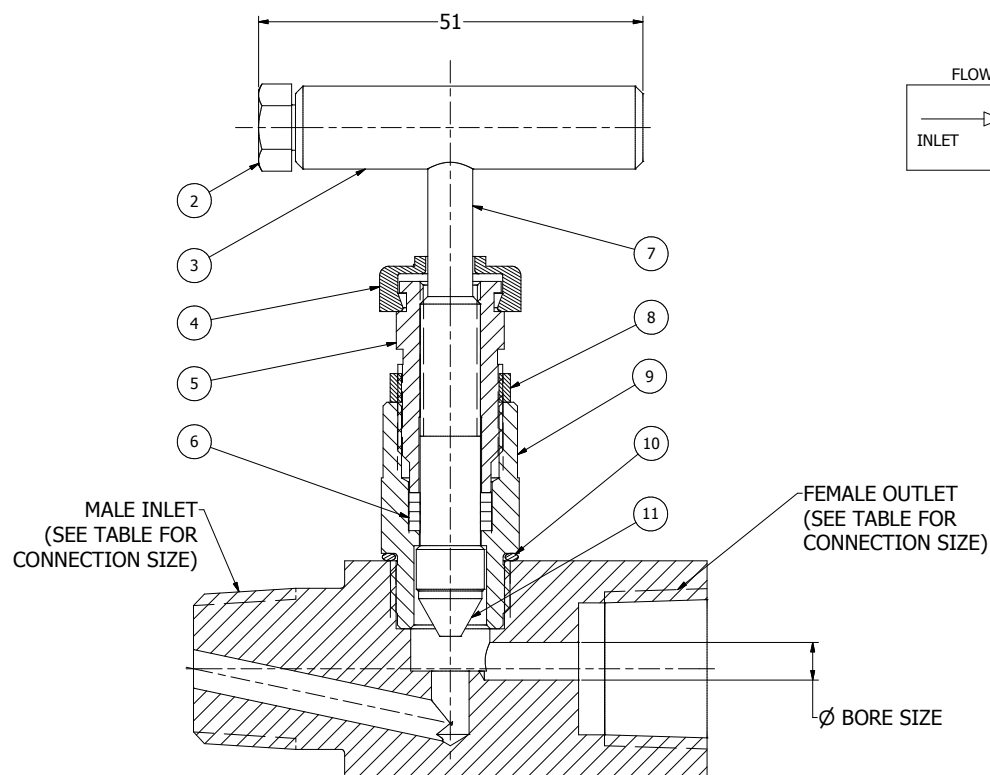
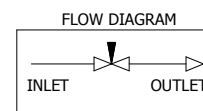
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TYPICAL VALVE LAYOUT



PART NO	CONNECTION SIZE	A	B	BORE	C	CV	WEIGHT
UN2NS-1M	1/4" NPT	61	76	3	25	0.38	0.35 Kg
UN4NS-1M	1/2" NPT	68	77	5	29	0.7	0.43 Kg



ITEM	DESCRIPTION	MATERIAL	QTY
1	NEEDLE BODY	A479 UNS S31600	1
2	HANDLE BOLT	A4 ST/ST	1
3	"T" HANDLE	UNS S31600	1
4	ISOLATE DUST CAP	PVC	1
5	GLAND ADJUSTER	UNS S31600	1
6	GLAND PACKING	RTFE	4
7	NEEDLE STEM	A479 UNS S31600	1
8	GLAND LOCKNUT	UNS S31600	1
9	BONNET HOUSING	A479 UNS S31600	1
10	INGRESS SEAL	VITON	1
11	VALVE TIP	A564 UNS S17400	1
12	CAM SCREW	A4 ST/ST	1
13	LOCKING CAM	UNS S31600	1



Brighouse, West Yorkshire,
United Kingdom
Tel: 01484 710511
Fax: 01484 502200
Intl: ++44 1484 710511
Website: www.alco-valves.com
e-mail: uk@alco-valves.com

TITLE:	1/4" TO 1/2" NPT MALE INLET x FEMALE OUTLET 'N' SERIES SINGLE ISOLATION NEEDLE VALVE IN 316 ST/ST MATERIAL COMPLETE WITH 'T'-BAR HANDLE. RATED 10,000psi.
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DRAWING NUMBER
UN#NS-1M TABULATED

SCALE:	N.T.S.
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DATE: 19/02/2015

DRWN	C.L.	CHKD	J.H.	APRD	I.M.
REVISION No.		1			