

'EC' SERIES CHECK VALVE



Check Valves 10,000 PSI

The Alco Valves Non Return Valve, designed for prevention of back flow in high pressure systems. The 'EC' series valve has a wide range of body and trim materials available, several types of sealing materials can be used to cope with most aggressive mediums. Having a soft primary seat means it is suitable for gases or liquids. Altogether a very compact unit, suitable for many arduous duties. Various cracking pressures to suit your application are available.

DESIGN FEATURES

Primary soft seal for bubble tight close, with secondary metal-to-metal seal as standard.	Temperature range -40°C to 150°C as standard (other temperatures available on request)
Available in 316ss, Duplex, Monel and other exotic materials.	Many piston and spring material options available to cope with aggressive mediums.
Close tolerance guided spring and piston to prevent grabbing or seizure.	Full material traceability.
Repair kits available.	Materials of construction can be supplied to meet the requirements of NACE MR -0175 latest revision.

REVISIONS

[illegible]

IMPORTANT - THIS DOCUMENT
MAY CONTAIN CONTROLLED
INFORMATION AND COULD
THEREFORE REQUIRE EXPORT
PERMISSIONS FROM RELEVANT
AUTHORITIES IN YOUR COUNTRY

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

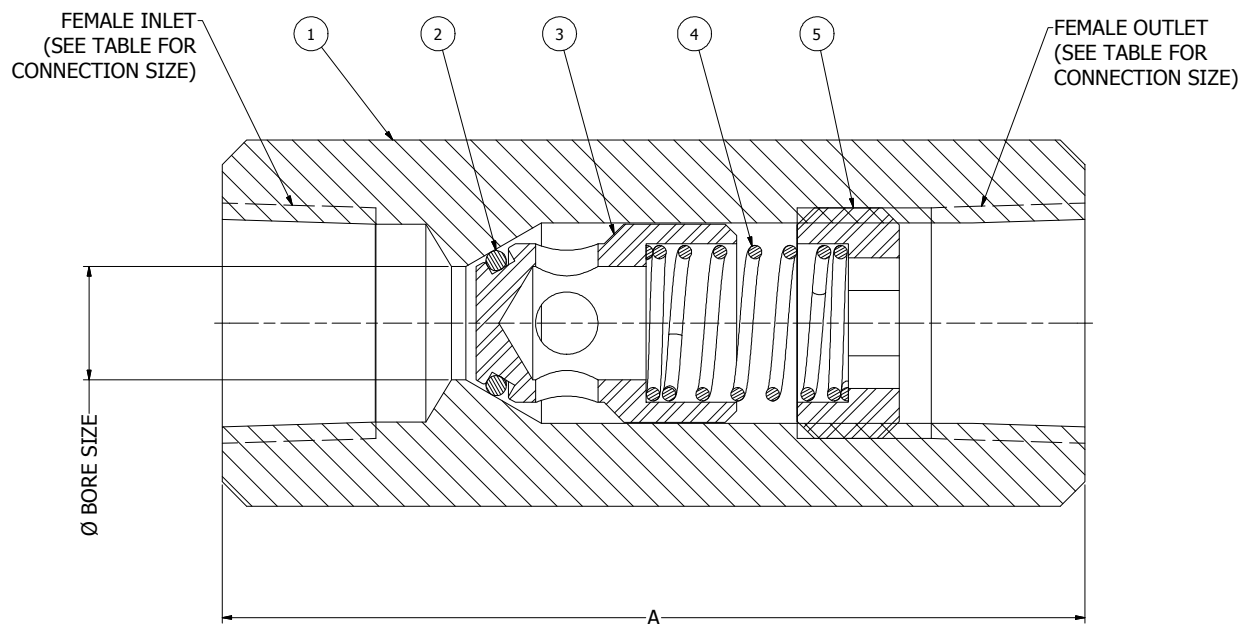
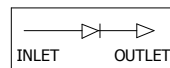
DIMENSIONS AND
DESIGNS
ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE

TYPICAL VALVE LAYOUT

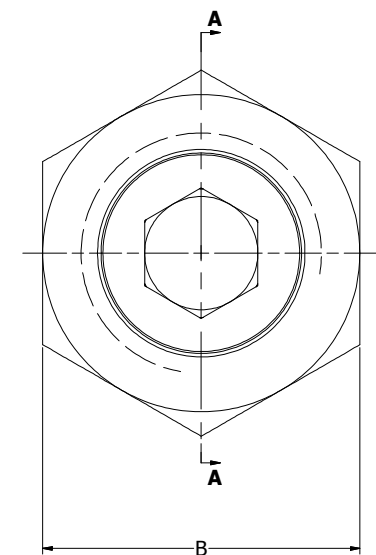
PART NO	CONNECTION SIZE	A	B	BORE	CRACKING PRESSURE	CV	WEIGHT
EC2NS	1/4" NPT	59	22	5	6 psi ± 25%	0.53	0.16 Kg
EC3NS	3/8" NPT	64	22	8	6 psi ± 25%	0.97	0.15 Kg
EC4NS	1/2" NPT	76	28	10	15 psi ± 25%	1.78	0.30 Kg
EC6NS	3/4" NPT	85	35	10	15 psi ± 25%	1.78	0.53 Kg
EC8NS	1" NPT	95	45	10	15 psi ± 25%	1.78	1.0 Kg

ITEM	DESCRIPTION	MATERIAL	QTY
1	VALVE BODY	A479 UNS S31600	1
2	O-RING	HNBR 90	1
3	PISTON	A479 UNS S31600	1
4	SPRING	UNS S30200	1
5	INSERT	A479 UNS S31600	1

FLOW DIAGRAM



SECTION A-A



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TITLE:

1/4" TO 1" NPT FEMALE INLET x FEMALE OUTLET
'EC' SERIES CHECK VALVE IN 316 ST/ST MATERIAL
RATED 10,000psi.

SCALE:	N.T.S.
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DATE: 10/04/2015

DRAWING NUMBER

EC#NS TABULATED

DRWN

REVISION No.	
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