## '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**

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

IOM REFERENCE: EC-5-10-CV-10K							T' IT CANNOT BE			CONFID	ENT	TAL	DIMENSIONS SHO		
REVISIONS	1										ITEM	I DESCRIP	TION MA	ATERIAL	QTY
		PART NO	CONNECTION SIZE	Α	В	BORE	CRACKING PRESSURE	CV N	WEIGHT		1	VALVE BODY	A479 UNS	S31600	1
REV DATE DETAILS OF REV CHANGE BY		EC2NS	1/4" NPT	59	22	5	6 psi ± 25%	0.53	0.16 Kg		2	O-RING	HNBR 90		1
1 10/04/2015 ISSUED ~~		EC3NS	3/8" NPT	64	22	8	6 psi ± 25%	0.97	0.15 Kg			PISTON	A479 UNS	S31600	1
		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			SPRING	UNS S302		1
		EC8NS	1" NPT	95	45	10	15 psi ± 25%	1.78	1.0 Kg		5	INSERT	A479 UNS	S S31600	1
					FLOV	/ DIAGRA	4								
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PERMISSIONS FROM RELEVANT AUTHORITIES IN YOUR COUNTRY															
RESSURE RATINGS ARE COLD	Ø BORE SIZE	++++		1///					+++						
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WITHOUT PRIOR NOTICE															
TYPICAL VALVE LAYOUT				9	SECTIO	A-A									
					AI	co V	alves ®	TITLE	:	1/4" TO 1" NPT FEM	ALE IN	LET x FEMALE OUTL	_E1	SCALE: N.7	Γ.S.
			-40-		Indu	strial Valve	Manufacturers			'ec' series check \ rat	ALVE II ED 10,0		RIAL	DATE: 10/04	1/2015
			W		Wes	Yorkshire,	Royd Lane, Brighouse HD6 1LQ - UK	710511		DRAWING NUMBER		*	DRWN C.L. CHKD		A.P.M
				Tel: 01484	+ /10511 Fa Website: ww	ix: U1484 7 w.alco-valves.com	13009 Intl: ++44 1484 e-mail: uk@alco-valves.com	/10511		EC#NS TABULATED			REVISION No. 1	$\Box$	11