

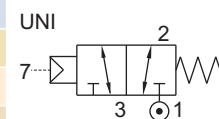
SERIES : 32P

3/2 AIR OPERATED SPRING RETURN VALVE

TYPE	PRESSURE

TYPE	PRESSURE

TYPE	PRESSURE
33101	0 - 20 bar



FEATURES

- Highly reliable rugged construction
- Positive Sealing and snap operation with poppet design
- Bubble tight shut off
- Vibration resistance up to 9g
- Can be used as NC/ NO/ Diverting/ Mixing
- Can be mounted in any position
- Speed up to 600 cycles/ min.



WETTED PARTS

Code	※	B1	B2	B5
Body	Anodized Aluminium	Anodized Aluminium	Brass	SS 316
Internals	Aluminium, Brass and SS 316	SS 316	Brass and SS 316	SS 316
Spring/ Circlip	SS 302/ Steel Plated			
Fasteners	SS 304			
Seat, Seals	NBR, Viton			

AMBIENT AND FLUID TEMPERATURE

-30 °C to 75 °C

SPECIAL VERSION AND SUFFIX

Suffix : (Valve) OX, AM

MEDIA

Air, Inert Gases, Water, Vacuum, Free Flowing Liquid, Oil, Diesel, Kerosene, LPG, Furnace Oil, Oxygen

APPLICATION

Quick operation of cylinder Actuator

PORT CONNECTION

	INLET	OUTLET	EXHAUST	EXTERNAL PILOT INLET
NC	1	2	3	7
NO	3	2	1	7
Diverting	2	1 and 3	-	7
Mixing	1 and 3	2	-	7

Contact Rotex for

- Any other ambient, fluid temperature, media and application



When valve is used for NC/ NO application, the Pilot pressure should be minimum 2 bar or $\geq$ main fluid pressure whichever is higher. When valve is used for diverting/ mixing application, the pilot pressure should be at least 2 bar higher than main fluid pressure. OIL Media Temperature Restricted from 0 °C to 100 °C

SPARES

(Refer page 25 for ordering code)

SPARE KIT	CODE
Seal Kit : Oring Set	98
Repair Kit : All Components except Body, Cover	99

7

3/2 AIR OPERATED SPRING RETURN VALVE

SPECIFICATION

PORT CONNECTION			PRE-SSURE bar		ORIFICE (mm)		FLOW FACTOR kv (LPM OF WATER @ 1 bar ΔP)		VALVE TYPE		PILOT PRESSURE		BODY MATERIAL AND INTERNALS				SEALS				MANUAL OVERRIDE		SOLENOID ENCLOSURE				SUFFIX		POWER VA		CONSTRUCTION REFERENCE NUMBER
SIZE	BSP(F)	NPT(F)	MINIMUM	MAXIMUM									ALUMINIUM	ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS 316 (STD. PORT NPT)	NBR	Viton	EPDM	HYTREL	PTFE	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	FLYING LEAD	PLUG IN, IP67	SQ. PLUG IN, IP67	TERMINAL BOX IP67	FP,JB Ex d IIC, T4 OR T6, IP67	LARGE ENCLOSURE	
3/2 UNIVERSAL																															
1/4"	2G	2R	0	20	7	18	33101	2-20	※	B1	B2	B5	※	S2	S1												✓			355	
3/8"	3G	3R	0	20	7	18	33101	2-20	※	B1	B2	B5	※	S2	S1												✓			359	
			0	20	10	38	33101	2-20	※	B1		B5	※	S2	S1												✓			356	
1/2"	4G	4R	0	20	7	18	33101	2-20	※	B1	B2	B5	※	S2	S1												✓			360	
			0	20	16	75	33101	2-20	※	B1	B2	B5	※	S2	S1												✓			357	
3/4"	6G	6R	0	20	20	110	33101	2-20	※	B1		B5	※	S2	S1												✓			358	
1"	8G	8R	0	20	25	185	33101	2-20	※	B1		B5	※	S2	S1												✓			362	

※ = Do not specify when opted for. Refer Page # 22 for Value of ※

* Valve type printed in red colour is external pilot air/ air operated valve

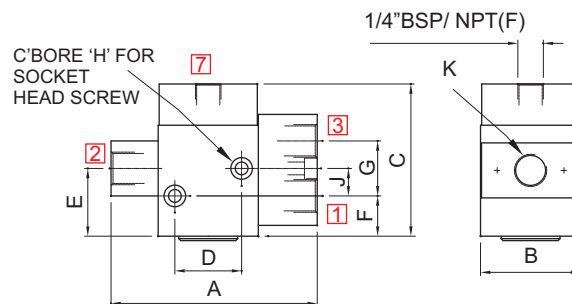
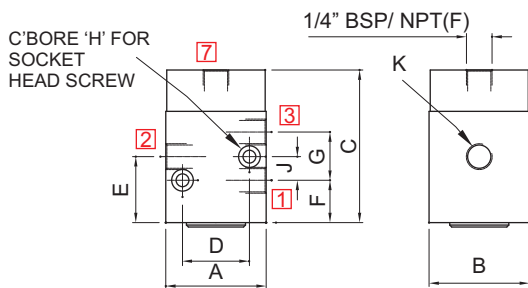
ORDERING CODE AND EXAMPLE VALVE

TYPE - SUFFIX - ORIFICE - PORT CONNECTION - BODY AND INTERNALS - SEAL - MEDIA

e.g. 33101-10-3R-B5

DIMENSIONS

All Dimensions are in mm



NW	K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 33101									
7	1/4"	51	51	77.5	34	34	21.5	25	355
10	3/8"	61	61	90	34	36	23	27	356
16	1/2"	81	81	111	50	48	30	36	357
20	3/4"	94	81	128	60	58	31.5	49	358

NW	K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 33101									
7	3/8"	111	51	77	34	34	21	25	359
7	1/2"	111	51	77	34	34	21	25	360
10	1/2"	121	61	90	50	36	23	27	361
25	1"	141	81	128	60	58	31	49	362