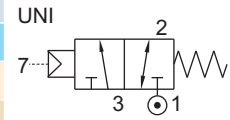


3/2 AIR OPERATED SPRING RETURN VALVE

TYPE	PRESSURE

TYPE	PRESSURE

TYPE	PRESSURE
33101	0 - 20 bar



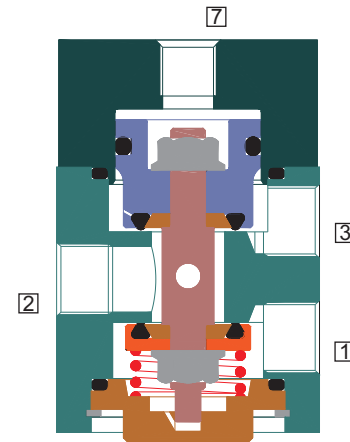
FEATURES

- 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
- Life >10 million cycles
- 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

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

SPARES

(Refer page 25 for ordering code)

SPARE KIT	CODE
Seal Kit : Oring Set	98
Repair Kit : Oring Set, Fastener, Springs	99



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.



3/2 AIR OPERATED SPRING RETURN VALVE

SPECIFICATION

SIZE	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
	BSP(F)	NPT(F)						MINIMUM	MAXIMUM	ALUMINIUM	ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS 316/CF8 (STD. PORT NPT)	NBR	Viton	EPDM	HYTREL	PTFE	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	WEATHER PROOF	EXPLOSION PROOF	OXYGEN	AMONIA	

3/2 UNIVERSAL

SIZE	PORT CONNECTION	PRE-SSURE bar	ORIFICE (mm)	FLOW FACTOR KV (LPM OF WATER @ 1 bar ΔP)	VALVE TYPE	PILOT PRESSURE	ALUMINIUM	ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS 316/CF8 (STD. PORT NPT)	NBR	Viton	EPDM	HYTREL	PTFE	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	WEATHER PROOF	EXPLOSION PROOF	OXYGEN	AMONIA	AC INRUSH	AC HOLDING	DC	CONSTRUCTION REFERENCE NUMBER
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	B2	B5	×	S2	S1													356
1/2"	4G 4R	0	20	7 18	33101	2-20	×	B1	B2	B5	×	S2	S1													360
		0	20	16 80	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

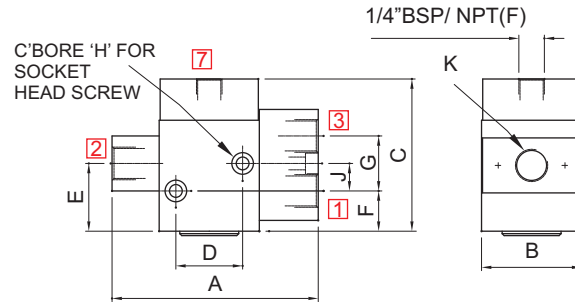
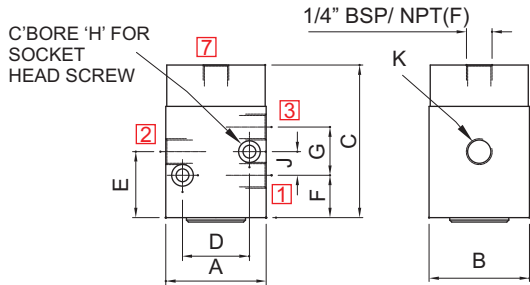
ORDERING CODE AND EXAMPLE VALVE

TYPE – SUFFIX – ORIFICE – PORT CONNECTION – BODY AND INTERNALS – SEAL

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

DIMENSIONS

All Dimensions are in mm



NW	K (PORT SIZE)	A	B	C	D	E	F	CONST. REF.
VALVE TYPE : 33101								
7	1/4"	51	51	77	34	21	25	355
10	3/8"	61	61	90	36	23	27	356
16	1/2"	81	81	111	48	30	36	357
20	3/4"	94	81	128	58	31	49	358

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

