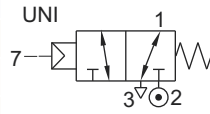
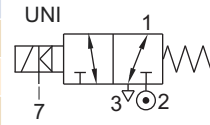


3/2 INTERNAL PILOT OPERATED, NORMALLY CLOSED/ OPEN POPPET SOLENOID VALVE

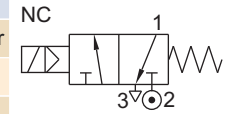
TYPE	PRESSURE
33347	0.7-10.5 bar



TYPE	PRESSURE
32347	0.7-10.5 bar



TYPE	PRESSURE
31147	0.7-10.5 bar



FEATURES

- Bubble tight shut off
- Mounts in any position
- Vibration resistance up to 9g
- Suitable for high speed cycling
- Speed up to 600 cycles/ min
- Life >10 million cycles

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
Guide Assembly	SS 304			
Shadow-Ring	Copper/ Silver/ None			
Plunger, Insert	SS 430			
Spring/ Circlip	SS 302/ Steel			
Fasteners	SS 304			
Seat, Seals	NBR, Viton, F.Silicon			

AMBIENT AND FLUID TEMPERATURE

-30 °C to 75 °C

SPECIAL VERSION AND SUFFIX

Suffix : (Valve) OX, AM
Special version : (Solenoid) CO, FR, SS, LC, III

MEDIA

Air, Inert Gases

APPLICATION

Single acting actuator/ Cylinder, control valve actuation, ESD

PORT CONNECTION

FUNCTION	INLET	OUTLET	EXHAUST	PILOT EXHAUST	EXTERNAL PILOT
NC	2	1	3	6	7
NO	3	1	2	6	7

Contact Rotex for

- Any other ambient, fluid temperature, media and application
- UL listed, Listed general purpose Valve
- Media like Water, Light Oil etc.



SPARES

(Refer page 25 for ordering code)

SPARE KIT	CODE
Seal Kit : Oring Set and Plunger Assembly	98
Repair Kit : Oring Set, Plunger Assembly, Fastener, Springs, Manual Override Guide Assembly	99
Solenoid Kit : Solenoid, Gasket and Nut	34

APPROVAL

(★ applied for)

Approval	TYPE 4X, 6P	IP67	Ex d IIC T4 or T5 or T6 IP66	Ex ia IIC T6 IP67	DGMS	CCOE
		✓	✓	✓	✓	✓
		✓	✓	✓		
	✓		*			
			✓	✓		
			✓	✓		
			✓	✓		



The pressure drop at inlet port causes malfunction of the Valve. All equipment connected between the header and the inlet port should have a higher orifice kv value as compared to the solenoid Valve.



3/2 INTERNAL PILOT OPERATED, NORMALLY CLOSED/ OPEN POPPET SOLENOID 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/CF8M (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	FPJIB Ex d IIC, T4 OR T6, IP67	LARGE ENCLOSURE	SOLENOID SIZE	OXYGEN	AMONIA	

3/2 NORMALLY CLOSED

1/4"	2G	2R	0.7	10.5	7	18	31147		*	B1	B2	B5	*	S2	S1		M0	*	M8	F	22	25	T	E	III	14		✓	18	12	8
------	----	----	-----	------	---	----	-------	--	---	----	----	----	---	----	----	--	----	---	----	---	----	----	---	---	-----	----	--	---	----	----	---

3/2 UNIVERSAL

1/4"	2G	2R	0.7	10.5	7	18	32347	2-10.5	*	B1	B2	B5	*	S2	S1		M0	*	M8	F	22	25	T	E	III	14		✓	18	12	8
1/4"	2G	2R	0.7	10.5	7	18	33347	2-10.5	*	B1	B2	B5	*	S2	S1																

Cable Entry	T	E			
		ÖcÄ	ÖcÄ	ÖcÄ	ÖcÄ
M20 x 1.5	FJ	H	ii	ii	ii
M25 x 1.5			ii	ii	ii
1/2" NPT	F	H	ii	ii	ii

* = Do not specify when opted for
✓ = Options available