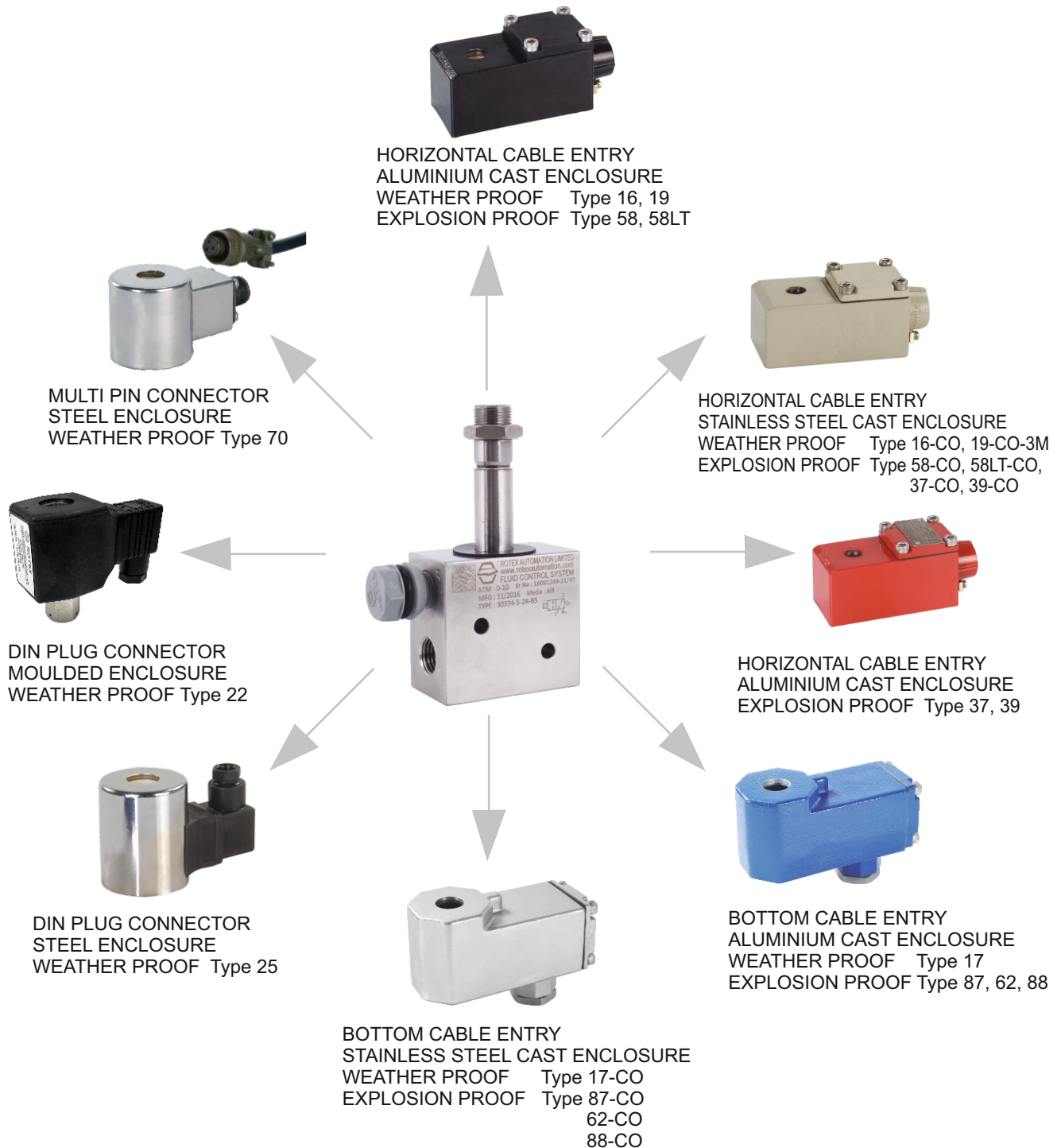


3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

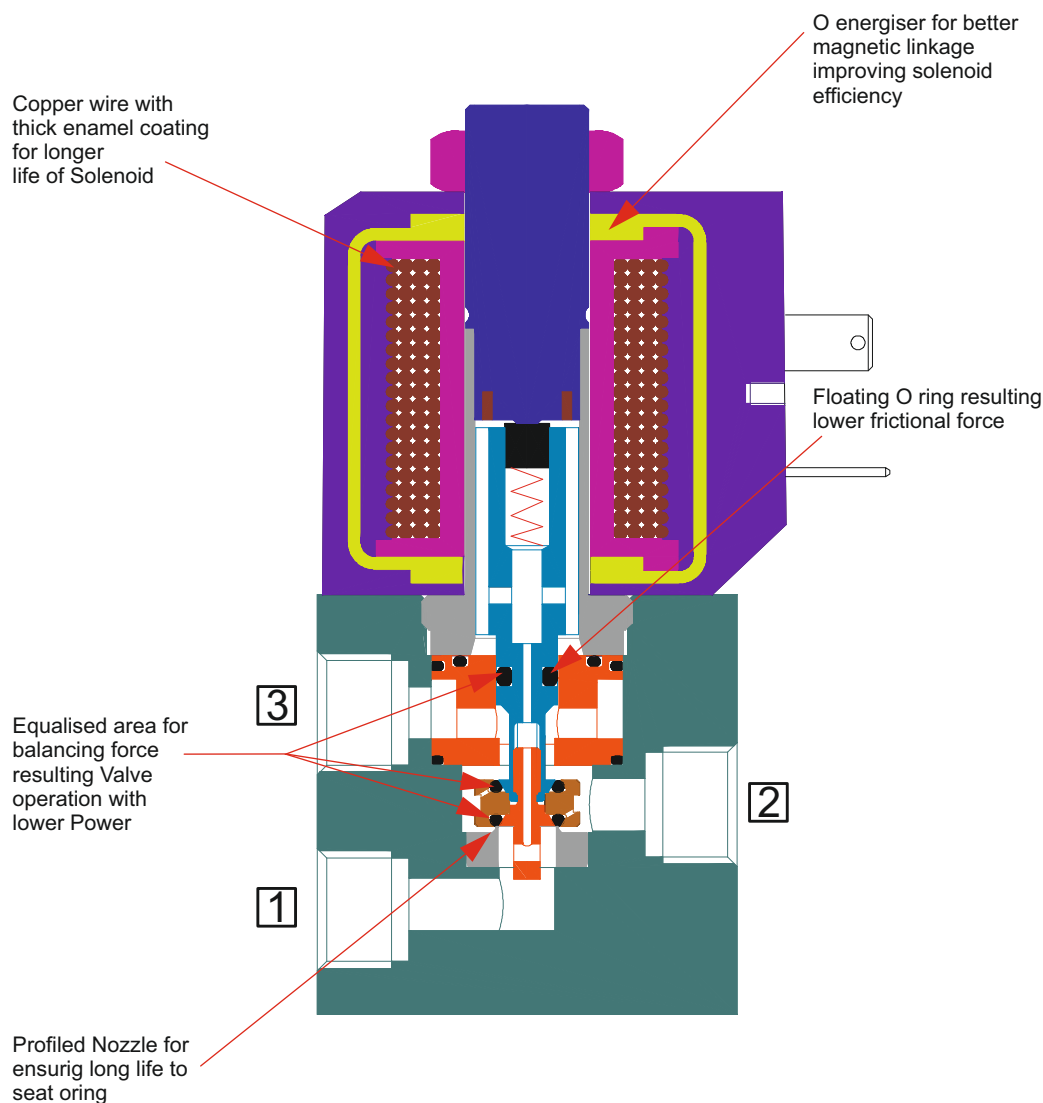


**Interchangeable across
Voltage/ Current range without
affecting performance of the Valve**

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

FEATURES

- Bubble tight shut OFF
- Mounts in any position
- Suitable for Vacuum up to 10^{-6} torr
- Vibration resistance up to 9g
- Suitable for high speed cycling, speed up to 900 cycles/ min
- Life >20 million cycles
- Manual override can be provided optionally



VOLTAGE VARIATION

(For Continuous Duty)

Rated Voltage	Operating Voltage
6	4.8V to 7.2V
12	9.6V to 14.4V
24	19.2V to 28.8V
48	38.4V to 57.6V
110 to 120	88V to 132V
220/ 230/ 240	176V to 264V
256	205V to 280V

WEIGHT IN kg (lbs) Appx.

Valve

Model - Orifice (Connection)	Al	Brass / SS
30308-5, 30308LW-5, 30308L5-5 (2G/ 2R)	0.50 (1.10)	-
30334-5, P3005-R, P3012-R, P3017V01-R, 30329-5 (2G/ 2R)	-	0.75 (1.65)
30333-5, P3005, P3012, P3017 (3G/ 3R/ 4G/ 4R)	-	1.20 (2.64)
30334-7	-	1.30 (2.86)
30329-7	-	1.40 (3.08)
30309-10, 30329-10	0.90 (1.98)	2.10 (4.62)
30309-10	-	2.10 (4.62)

Solenoid

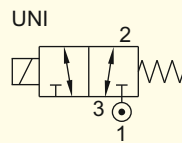
Type	Size	kg (lbs)
22	I	0.25 (0.55)
25	II	0.45 (0.99)
	III	0.40 (0.88)
	IV	0.50 (1.10)

Type	Size	Enclosure	
		Al	SS
16, 19, 37, 39, 58, 58LT	II, IV	0.85 (1.87)	1.70 (3.74)
	III	0.60 (1.32)	1.50 (3.30)
17, 62, 87, 88	II, IV	1.00 (2.20)	1.65 (3.63)
	III	0.90 (1.98)	1.50 (3.30)

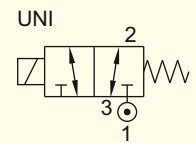
SERIES : 32D

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

TYPE	PRESSURE bar (psi)
P3005	0 - 10 (0 - 150)
P3005-R	0 - 10 (0 - 150)
P3012	0 - 10 (0 - 150)
P3012-R	0 - 10 (0 - 150)
P3017V01	0 - 10 (0 - 150)
P3017V01-R	0 - 10 (0 - 150)

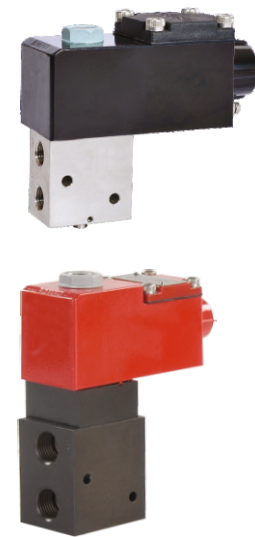


TYPE	PRESSURE bar (psi)
30308	0 - 10 (0 - 150)
30308LW	0 - 10 (0 - 150)
30309	0 - 10 (0 - 150)
30329	0 - 16 (0 - 232)
30333	0 - 16 (0 - 232)
30334	0 - 16 (0 - 232)
30308L5	0-10 (0-150)



WETTED PARTS

Code	※	B1	B2	B5	B9
Body	Anodized Aluminium	Anodized Aluminium	Brass	SS316	SS316L
Internals	Aluminium, Brass and SS 316	SS316	Brass and SS316	SS316	SS316L
Guide	SS304				
Shadow-Ring	Copper/ None				
Plunger, Insert	SS430				
Spring	SS302				
Seat, Seals	NBR, Viton, F. Silicon				



PESO



KOSHA



NACE
MR 0175-1

APPLICATION

Single acting actuator/ Cylinder, Control Valve actuation.
Diverting/ Mixing of fluid, Analyzer, ESD

POWER

Size	Type	Power		Ex ia
		Normal	Low	
II	30309, 30329	15W/ 20W		Type 62
III	30334, 30308, 30333, 30329	6W, 8W		
III	P3005-R, 30308L5, P3005	5W		
III	P3012, P3012-R	3.5 W		
IV	P3017V01-R, P3012	1.8W		
IV	P3017V01, P3017V01-R	1W		
IV	P3017-R, P3017V01-R, 30308LW			

SPARES

SPARE KIT		CODE
Seal Kit	: Oring Set and Plunger Assembly	98
Repair Kit	: All Components except Body, Cover and Solenoid	99
Solenoid Kit	: Solenoid, Gasket and Nut	34

PORT CONNECTION

VALVE TYPE	MODE	INLET	OUTLET	EXHAUST
P3005, P3005-R, P3012, P3012-R, P3017V01, P3017V01-R, 30308, 30308LW, 30309, 30329, 30333, 30334, 30308L5	NC	1	2	3
	NO	3	2	1
	Mixing	1 & 3	2	
	Diverting	2	1 & 3	

Contact Rotex for
• Any other Temperature Range, Media and Application

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

SPECIFICATION

VALVE	
Valve Type	3/2 Direct Acting High Orifice Universal Solenoid Valve
Body Material	Aluminium / Brass / Stainless Steel 316 & 316L
Port Connections	Threaded
Orifice	5 mm (3/16") / 7 mm (1/2") / 10 mm (3/8")
Seals	NBR / VITON GLT / F.Silicon
Manual Override	Stayput / Momentary / Without Manual Override
Flow factor Orifice-kv / Kv / Cv	5mm (3/16") - 8 / 0.48 / 0.56 7mm (1/2") - 14 / 0.84 / 0.98 10mm (3/8") - 30 / 1.8 / 2.1
Media	Air, Hydraulic Oil, Inert Gas, LPG, Kerosene, Lubricating Oil, Petrol (Motor Spirit), Diesel, Turbine Oil, Water, CNG
⑬ Ambient, Fluid Temperature	-25 °C to 75 °C, optionally -60 °C to 170 °C (-13 °F to 167 °F, Optionally -76 °F to 338°F)
Response ON / OFF	≤12 ms / ≤12 ms
Pressure	0-10 bar (0 - 150 psi), 0-12 bar (0 - 175 psi), 0-16 bar (0 - 232 psi)

SOLENOID	
Accessories	NRV Dust plug provided on Exhaust port
Voltage-Current	DC 12V, 24V, 48V, 110V, 220V, 256V AC / DC (50Hz / 60Hz / DC) 24V, 110V, 230V, 240V
Power	20W / 15W / 8W / 6W / 5W / 3.5W / 1.8W / 1W
Protection	Weather Proof IP67, IP68 Explosion Proof Ex d, Ex ia, Ex e mb, IIC T6 / T5 / T4 IP67
Cable Entry	Pg9 / M20 X 1.5 / 1/2" NPT / M25 X 1.5

ORDERING CODE Solenoid Valve (Valve Code + Solenoid Code)

VALVE TYPE P3012-R	-	SIL SL	-	SUFFIX SO	-	ORIFICE 5	-	PORT CONNECTION 2G	-	BODY INTERNAL B5	-	MANUAL OVERRIDE ※	-	SEAL S2G	-	⑦ MEDIA ※
-																
ACCESSORIES VALVE, PORT A3		+	SIZE III	VOLTAGE, CURRENT 24V DC		ENCLOSURE 87NS		⑦ ENCLOSURE MATERIAL ※		SPECIAL SS		POWER LW 3.5				
-																
INSULATION H		APPROVAL 01		SIL SL	ACCESSORIES SOLENOID B4											

ORDERING CODE Valve Spare Kit

SPARE KIT 99	-	VALVE TYPE P3012-R	-	SIL SL	-	SUFFIX SO	-	ORIFICE 5	-	PORT CONNECTION 2G	-	BODY INTERNAL B5	-	MANUAL OVERRIDE ×
-	SEAL S2G	-	ACCESSORIES VALVE, PORT A3											

ORDERING CODE Spare Solenoid

SOLENOID KIT	SIZE	VOLTAGE, CURRENT	ENCLOSURE	⑦ ENCLOSURE MATERIAL	SPECIAL	POWER
34	III	24V DC	87NS	※	SS	LW 3.5
INSULATION	APPROVAL	SIL	ACCESSORIES SOLENOID			
H	01	SL	B4			

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

VALVE TYPE-ORIFICE		CERTIFIED	
CODE	DESCRIPTION	CODE	DESCRIPTION
NORMAL POWER		① ✖	NO
30308-5	0 - 10 bar (0 - 150 psi), 8 Watt, Size III, Aluminium, Port 1/4"	SL	SIL3 Capable
30334-5	0 - 10 bar (0 - 150 psi), 8 Watt, Size III, Brass, SS316, SS316L, Port 1/4"	UC	UL Certified Solenoid
30333-5	0 - 10 bar (0 - 150 psi), 8 Watt, Size III, Brass, SS316, SS316L, Port 3/8", 1/2"	SU	SIL3 + UL Certified Solenoid
30334-7	0 - 10 bar (0 - 150 psi), 15/20 Watt, Size II, Brass, SS316, SS316L		
30309-10	0 - 10 bar (0 - 150 psi), 15/20 Watt, Size II, Aluminium, Brass, SS316, SS316L, Port 3/8", 1/2"		
30329-5	0 - 12 bar (0 - 175 psi), 8 Watt, Size III, Brass, SS316, SS316L		
30329-7	0 - 16 bar (0 - 232 psi), 15/20 Watt, Size II, Brass, SS316, SS316L, Port 1/4", 3/8"		
30329-10	0 - 16 bar (0 - 232 psi), 15/20 Watt, Size II, Brass, SS316, SS316L, Port 3/8", 1/2"		
LOW POWER			
P3005-R-5	0 - 10 bar (0 - 150 psi), 5 Watt, Size III, Brass, SS316, SS316L, Port 1/4"		
P3012-R-5	0 - 10 bar (0 - 150 psi), 3.5 Watt, Size III, Brass, SS316, SS316L, Port 1/4"		
P3005-5	0 - 10 bar (0 - 150 psi), 5 Watt, Size III, Brass, SS316, SS316L, Port 3/8", 1/2"		
P3012-5	0 - 10 bar (0 - 150 psi), 3.5 Watt, Size III, Brass, SS316, SS316L, Port 3/8", 1/2"		
P3012ER-5	0 - 12 bar (0 - 175 psi), 3.5 Watt, Size III, Brass, SS316, SS316L, Port 1/4"		
30308LW-5	0 - 10 bar (0 - 150 psi), 1.8 Watt, Size IV, Aluminium, Port 1/4"		
30308LW-5	0 - 10 bar (0 - 150 psi), 1.0 Watt, Size IV, Aluminium, Port 1/4", Enclosure type 17 & 87		
P3017V01-R-5	0 - 10 bar (0 - 150 psi), 1.8 Watt, Size IV, Brass, SS316, SS316L, Port 1/4"		
P3017V01-R-5	0 - 10 bar (0 - 150 psi), 1.0 Watt, Size IV, Brass, SS316, SS316L, Port 1/4", Enclosure type 17 & 87		
P3017V01-5	0 - 10 bar (0 - 150 psi), 1.8 Watt, Size IV, Brass, SS316, SS316L, Port 3/8", 1/2"		
P3017V01-5	0 - 10 bar (0 - 150 psi), 1.0 Watt, Size IV, Brass, SS316, SS316L, Port 3/8", 1/2", Enclosure type 17 & 87		
INTRINSICALLY SAFE Ex ia 24V DC			
30308LW-5	0 - 10 bar (0 - 150 psi), Ex ia, Size IV, Aluminium, Port 1/4", Enclosure Type 62		
P3017V01-R-5	0 - 10 bar (0 - 150 psi), Ex ia, Size IV, Brass, SS316, SS316L, Port 1/4", Enclosure Type 62		
P3017V01-R-5	0 - 10 bar (0 - 150 psi), Ex ia, Size IV, Brass, SS316, SS316L, Port 3/8", 1/2", Enclosure Type 62		

SUFFIX	
CODE	DESCRIPTION
① ✖	NIL
⑧ AM	Ammonia
⑧ SO	Anti Corrosive Operator
OX	Oxygen service
⑪ TC	2 Port Bi Directional NC
⑪ TO	2 Port Bi Directional NO
⑧ ⑪ SOC	Anti Corrosive Operator + 2 Port Bi Directional NC
⑧ ⑪ SOO	Anti Corrosive Operator + 2 Port Bi Directional NO
⑪ OXC	Oxygen service + 2 Port Bi Directional NC
⑪ OXO	Oxygen service + 2 Port Bi Directional NO
⑧ ⑪ AMC	Ammonia + 2 Port Bi Directional NC
⑧ ⑪ AMO	Ammonia + 2 Port Bi Directional NO

ORIFICE	
CODE	DESCRIPTION
5	5mm
7	7mm
10	10mm

PORT CONNECTION	
CODE	DESCRIPTION
2G	1/4" BSP
2R	1/4" NPT
3G	3/8" BSP
3R	3/8" NPT
4G	1/2" BSP
4R	1/2" NPT

BODY MATERIAL	
CODE	DESCRIPTION
① ✖	Aluminium
B2	Brass
B5	SS316
B5N	SS316 NACE Compliance
B9	SS316L
B9N	SS316L NACE Compliance

MANUAL OVERRIDE	
CODE	DESCRIPTION
① ✖	NIL
M6	Stayput
M8	Momentary

SEAL					
CODE	GRADE, AMBIENT/ FLUID TEMPERATURE	① ✖	LPG	OIL	FUEL
① ✖	NBR, -25 °C to 75 °C (-13 °F to 167 °F)	✓	✓		
S2G	Viton, -40 °C to 160 °C (-40 °F to 320 °F)	✓	✓	✓	✓
S19	F. Silicon, -60 °C to 190 °C (-76 °F to 374 °F)	✓			

⑪ MEDIA										
CODE	DESCRIPTION	Aluminium (✖)			Brass (B2)			SS316(B5)/ SS316L(B9)		
		✖	S2G	S19	✖	S2G	S19	✖	S2G	S19
① ✖	Air	✓	✓	✓						
① ✖	Air				✓	✓	✓	✓	✓	✓
X1	Air	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CNG/Natural Gas/ PNG							✓	✓	
⑪ FG	Flue Gas								✓	
	LPG				✓	✓			✓	
⑪ LO	Light/Lubricating Oil		✓			✓			✓	
⑪ HO	Hydraulic Oil		✓			✓			✓	
	H2 Hydrogen				✓	✓		✓	✓	
⑪ O2	Oxygen Gas					✓			✓	
	N2 Nitrogen Gas	✓	✓	✓	✓	✓	✓	✓	✓	✓
	X2 Water				✓			✓		

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

SIZE-VOLTAGE CURRENT		
CODE	SIZE	COIL VOLTAGE
I-12V DC	I	12V DC
I-24V DC	I	24V DC
III-12V DC	III	12V DC
III-24V DC	III	24V DC
III-24V AC/ DC	III	④ 24V 50Hz/ 60Hz/ DC
III-48V DC	III	48V DC
III-110V DC	III	110V DC
III-110V AC/ DC	III	④ 110V 50Hz/ 60Hz/ DC 120V 50Hz/ 60Hz/ DC
III-220V DC	III	220V DC
III-230V AC/ DC	III	④ 220V 50Hz/ 60Hz/ DC 240V 50Hz/ 60Hz/ DC
III-256V DC	III	256V DC
II-12V DC	II	12V DC
II-24V DC	II	24V DC
II-24V AC/ DC	II	④ 24V 50Hz/ 60Hz/ DC
II-48V DC	II	48V DC
II-110V DC	II	110V DC
II-110V AC/ DC	II	④ 110V 50Hz/ 60Hz/ DC 120V 50Hz/ 60Hz/ DC
II-220V DC	II	220V DC
II-230V AC/ DC	II	④ 220V 50Hz/ 60Hz/ DC 240V 50Hz/ 60Hz/ DC
II-256V DC	II	256V DC
IV-24V DC	IV	24V DC
IV-110V DC	IV	110V DC

ENCLOSURE MATERIAL	
CODE	DESCRIPTION
① ✕	Aluminium Cast Epoxy Powder Coated
CO	CF8M (Stainless Steel 316 Cast)
CO-3M	CF3M (Stainless Steel 316L Cast)

SPECIAL	
CODE	DESCRIPTION
① ✕	NIL
⑦ FR	Full Rectifier with Surge Suppressor Size II, III, IV
⑨ LD	LED, Size II, III, IV
⑫ SS	Surge Suppressor Size II, III, IV
③ RC	Half Rectifier with Surge Suppressor Size II, III, IV

ENCLOSURE TYPE	
CODE	DESCRIPTION
WEATHER PROOF	
⑫ 22	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650A, Size I
⑫ 25	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650B, Size III, II, IV
16	Integrated Terminal box, IP67, ½" NPT, -40 °C to 100 °C (-40 °F to 212 °F)
19	Integrated Terminal box, IP67, M20 X 1.5, -40 °C to 100 °C (-40 °F to 212 °F)
17	Integrated Terminal Box, Bottom Cable entry M25X1.5, Size II, III, IV, Insulation Class H
17-NS	Integrated Terminal Box, Bottom Cable entry ½" NPT, Size II, III, IV, Insulation Class H
17-A	Integrated Terminal Box, IP68, Bottom Cable Entry, M25X1.5, Size II, III, IV
EXPLOSION PROOF Ex d (For Gas & Dust)	
⑬ 37	Ex d IIC IP66, -40 °C TO 60 °C (-40 °F to 140 °F), ½" NPT
⑬ 39	Ex d IIC IP66, -40 °C TO 60 °C (-40 °F to 140 °F), M20 X 1.5
87	Ex d IIC IP67, -60 °C TO 100 °C (-76 °F to 212 °F), M25 X 1.5, Size II, III, IV
87-MS	Ex d IIC IP67, -60 °C TO 100 °C (-76 °F to 212 °F), M20 X 1.5, Size II, III, IV
87-NS	Ex d IIC IP67, -60 °C TO 100 °C (-76 °F to 212 °F), ½" NPT, Size II, III, IV
87-A	Ex d IIC IP68, -60 °C TO 100 °C (-76 °F to 212 °F), M25 X 1.5, Size II, III, IV
88	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), M25 X 1.5, Size II, III, IV
88-MS	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), M20 X 1.5, Size II, III, IV
88-NS	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), ½" NPT, Size II, III, IV
EXPLOSION PROOF Ex e mb (For Gas & Dust)	
58	Ex e mb IIC, IP67, -40 °C TO 70 °C (-40 °F to 158 °F), M25 X 1.5
58-MS	Ex e mb IIC, IP67, -40 °C TO 70 °C (-40 °F to 158 °F), M20 X 1.5
58-NS	Ex e mb IIC, IP67, -40 °C TO 70 °C (-40 °F to 158 °F), ½" NPT
58LT	Ex e mb IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), M25 X 1.5
58LT-MS	Ex e mb IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), M20 X 1.5
58LT-NS	Ex e mb IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), ½" NPT
EXPLOSION PROOF Ex ia (For Gas & Dust)	
62	Ex ia IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), M25 X 1.5, Size IV, Booster Circuit
62-MS	Ex ia IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), M20 X 1.5, Size IV, Booster Circuit
62-NS	Ex ia IIC, IP67, -60 °C TO 70 °C (-76 °F to 158 °F), ½" NPT, Size IV, Booster Circuit

INSULATION	
CODE	DESCRIPTION
① ✕	CLASS F
H	CLASS H

SIL	
CODE	DESCRIPTION
① ✕	NO
SL	YES

POWER												
			12V DC	24V DC	24V AC/ DC	48V DC	110V DC	110V AC/ DC	220V DC	230V AC/ DC	256V DC	
CODE	SIZE	POWER WATT	12V DC	24V DC	④ 24V 50Hz/ 60 Hz/ DC	48V DC	110V DC	④ 110V 50Hz/ 60Hz/ DC	④ 120V 50Hz/ 60Hz/ DC	④ 220V DC	④ 240V 50Hz/ 60Hz/ DC	256V DC
① ✕	I	8.0	✓	✓								
LW3.5	III	3.5	✓	✓		✓	✓	✓				
		4.0							✓			
LW5	III	5.0	✓	✓	✓	✓	✓	✓	✓	✓		
		6.0							✓		✓	
① ✕	III	8.0	✓	✓	✓	✓	✓	✓	✓	✓		
		9.0							✓		✓	✓
LW15	II	15.0	✓	✓		✓	✓		✓			
		18.0										✓
LW20	II	20.0			✓			✓		✓		
		22.0							✓		✓	
LW1.8	IV	1.8		✓			✓	✓				
⑪ LW1	IV	1.0		✓								

SERIES : 32D

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

APPROVAL		9 ENCLOSURE TYPE									
CODE	DESCRIPTION	17	37	39	58	58LT	62	87	88	17A	87A
1 15 *	CCOE/ PESO + BIS, Insulation Class H		✓	✓			✓	✓			✓
01	CE - ATEX, Insulation Class H		✓	✓	✓	✓					
01	IEC Ex + ATEX, Insulation Class H						✓	✓			✓
01B	CCOE / PESO + CE - ATEX			✓	✓	✓					
01B	CCOE / PESO + IEC Ex + ATEX						✓	✓			✓
02	UL Recognised, for USA and Canada, Type 3, 3S, 4, 4X, 6, 6P UL file Number E 342217	✓								✓	
03	INMETRO + ATEX, Insulation Class H		✓	✓			✓	✓			✓
03C	IEC Ex + ATEX + IN METRO + CuTR-EAC							✓			✓
03U	IEC Ex + ATEX + IN METRO + UL (Type 3, 3S, 4, 4X, 6, 6P)	✓								✓	
04	CuTR- EAC + ATEX , Insulation Class H		✓	✓			✓	✓			✓
04U	IEC Ex + ATEX + CuTR + UL (Type 3, 3S, 4, 4X, 6, 6P)	✓						✓		✓	✓
21 07	KOSHA + ATEX, Insulation Class H							✓			✓
08	Ukraine, Insulation Class H						✓	✓			✓
09	UL Listed Ex for USA & Canada Class I, DIV 1, Class II, DIV 1, Class III DIV 1								✓		
12	ITRI Certification (TS Certification Taiwan)						✓				
20 CE	CE (Weatherproof Solenoid)	✓								✓	
20 EAC	EAC MARK	✓								✓	

Note :

- 1 Do not specify when opted for
- 2 Approval Other than BIS, CCOE/ PESO, DGMS
- 3 BIS, CCOE/ PESO, DGMS Approved coil
- 4 Opt FR from special
- 7 Do not Opt for Enclosure Type 01, 06, 22, 25
- 8 Select Body Material SS316 (B5)
- 9 All variation of 17, 37, 39, 58, 58LT, 62, 87 included
- 10 Media should be Oil free Air/ Inert Gas/ Water
- 11 Enclosure type 17, 17NS, 87, 87MS, 87NS
- 12 Current DC
- 13 Ambient Temperature restricted for Enclosure Type 17, 37, 39, 58, 58LT, 62, 87 to Solenoid Ambient Temperature
- 14 Select Nil or one Accessories from A1 to A6 for Valve and from B1 to B8 for Solenoid
- 15 Ip67 Certified by BIS, CCOE/ PESO, DGMS
- 17 Type 30308, 30334, 30309, 30329, 30333, P3012-R, P3005-R, P3017V01-R with Suffix TC (Port 3 plugged) can be used as 2 Port NC Bi Directional Valve. Type 20105, 20106 can be replaced
- 18 Type 30308, 30334, 30309, 30329, 30333, P3012-R, P3005-R, P3017V01-R with Suffix TO (Port 1 plugged) can be used as 2 Port NO Bi Directional Valve. Type 20205, 20206 Can be replaced
- 19 Can not be opted for Enclosure Type 01, 06
- 20 Can be opted for Enclosure Type 01, 06, 16, 19, 22, 25
- 21 KOSHA Certificate only for Enclosure size II 7 20W
- 26 Do not Opt for Enclosure Type 01, 06, 22
- 27 Media shall not be part of Ordering code but It shall be printed separately on Valve
- 30 For Solenoid type 25 with AC current supply, Use 50Hz with Special RC Option
- 31 For Intrinsically Safe Solenoid, LD (LED) can be opted with CCOE/PESO certification only
- 32 Seal Kit Code P98 & Repair Kit Code 99 for Intrinsically Safe Valve

ENTITY PARAMETER

Entity Parameter	
Ui	32V DC
Ii	230mA
Pi	2.3W
Ci	0
Li	0

MINIMUM OPERATING PARAMETER

Type	62	62..LD..
Minimum Voltage (V)	12.5	14
Minimum Current (mA)	25.5	28.5
Minimum Power (W)	0.3	0.4
LED	NO	YES
Pressure (bar)	10	10

RESPONSE ON TIME FOR SOLENOID TYPE 62, 62..LD..

Voltage (V)	10	11	12	14	18	22	24	26	30	32	Current (mA)	18.5	20	25	30
Current (mA)	20	22	24	28.5	37	45.5	49.7	54	63	67	Open Ckt Voltage (V)	19.5	19.5	19.5	19.5
Response Time (ms)7	4800	3800	2500	1600	850	650	450	400	250	250	Time (ms)7	5000	4000	2500	2000

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

Explosion Proof

ENCLOSURE TYPE 37/ 39

SIZE	Power	BIS & PESO, DGMS	ATEX / INMETRO	EAC - CuTR (Russia)
I II IV	≤ 5W ≤ 8W ≤ 11W	Ex d IIC T6/ T5 Gb IP67 -20 °C ≤ Ta ≤ 65 °C FOR T6 -20 °C ≤ Ta ≤ 70 °C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 65°C FOR T6 -40°C ≤ Ta ≤ 70°C FOR T5	1 Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ 95°C/ 130°C Db, IP66 -40°C ≤ Ta ≤ 35°C FOR T6 -40°C ≤ Ta ≤ 50°C FOR T5 -40°C ≤ Ta ≤ 60°C FOR T4
I II III	≤ 8W ≤ 13W ≤ 8W	Ex d IIC T6/ T5 Gb IP67 -20°C ≤ Ta ≤ 60°C FOR T6 -20°C ≤ Ta ≤ 70°C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 60°C FOR T6 -40°C ≤ Ta ≤ 70°C FOR T5	
III	≤ 15W	Ex d IIC T6/ T5/ T4 Gb IP67 -20°C ≤ Ta ≤ 50°C FOR T6 -20°C ≤ Ta ≤ 65°C FOR T5 -20°C ≤ Ta ≤ 70°C FOR T4	Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ T95°C/ T130°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 50°C FOR T6 -40°C ≤ Ta ≤ 65°C FOR T5 -40°C ≤ Ta ≤ 70°C FOR T4	
III IV	≤ 5W ≤ 5W	Ex d IIC T6 Gb IP67 -20 °C ≤ Ta ≤ 70 °C FOR T6	Ex db IIC T6 Gb Ex tb IIIC T80°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 70°C FOR T6	
II	≤ 20W	Ex d IIC T6/ T5 Gb IP67 -20°C ≤ Ta ≤ 55°C FOR T6 -20°C ≤ Ta ≤ 70°C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40 °C ≤ Ta ≤ 55 °C FOR T6 -40 °C ≤ Ta ≤ 70 °C FOR T5	
II	≤ 30W	Ex d IIC T6/ T5/ T4 Gb IP67 -20°C ≤ Ta ≤ 40°C FOR T6 -20°C ≤ Ta ≤ 55°C FOR T5 -20°C ≤ Ta ≤ 70°C FOR T4	Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ T95°C/ T130°C Db, IP66/ IP67 -40 °C ≤ Ta ≤ 40 °C FOR T6 -40 °C ≤ Ta ≤ 55 °C FOR T5 -40 °C ≤ Ta ≤ 70 °C FOR T4	

ENCLOSURE TYPE 87

SIZE	Power	ATEX, IEC Ex, BIS & PESO, DGMS	INMETRO	EAC - CuTR (Russia) / UKRANE	KOSHA
III II IV	≤ 5W ≤ 8W ≤ 11W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	형식 또는 모델명 : 87, BCE 규격 또는 등급 : Ex d IIC T3-T6 제조자명 : Rotex Automation Limited 안전인증 번호 : IS-AV4B0-0000
III II	≤ 8W ≤ 13W ≤ 8W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
III	≤ 15W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
IV	≤ 5W ≤ 5W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
II	≤ 20W	Ex d IIC T5/T4/T3 Gb IP67 Ex IIIC T100°C/T135°C/155°C Db IP67 -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	Ex d IIC T5/T4/T3 Gb Ex IIIC T100°C/T135°C/155°C Db IP67 -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	1 Ex d IIC T5/T4/T3 Gb IP67 Ex tb IIIC T95°C/T130°C/T155°C Db ИЛИ -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	
II	≤ 30W	Ex d IIC T4/T3 Gb IP67 Ex IIIC T135°C/T150°C Db IP67 -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	Ex d IIC T4/T3 Gb Ex IIIC T135°C/T155°C Db IP67 -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	1 Ex d IIC T4/T3 Gb IP67 Ex tb IIIC T130°C/T155°C Db ИЛИ -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

Explosion Proof

ENCLOSURE TYPE 58

SIZE	Power	CE-ATEX, Insulation H
II IV	≤ 5W ≤ 8W ≤ 11W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 65°C for T6 -40°C ≤ Ta ≤ 70°C for T5
II III	≤ 8W ≤ 13W ≤ 8W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 60°C for T6 -40°C ≤ Ta ≤ 70°C for T5
III	≤ 15W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -40°C ≤ Ta ≤ 50°C for T6 -40°C ≤ Ta ≤ 65°C for T5 -40°C ≤ Ta ≤ 70°C for T4
III IV	≤ 5W ≤ 5W	Ex II 2GD Ex e mb IIC T6 Gb IP67 Ex tb IIIC T6 Db IP67 -40°C ≤ Ta ≤ 70°C for T6
II	≤ 20W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 55°C for T6 -40°C ≤ Ta ≤ 70°C for T5
II	≤ 30W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -40°C ≤ Ta ≤ 40°C for T6 -40°C ≤ Ta ≤ 55°C for T5 -40°C ≤ Ta ≤ 70°C for T4

ENCLOSURE TYPE 58LT

SIZE	Power	CE-ATEX, Insulation H
II IV	≤ 5W ≤ 8W ≤ 11W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 65°C for T6 -60°C ≤ Ta ≤ 70°C for T5
II III	≤ 8W ≤ 13W ≤ 8W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 60°C for T6 -60°C ≤ Ta ≤ 70°C for T5
III	≤ 15W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -60°C ≤ Ta ≤ 50°C for T6 -60°C ≤ Ta ≤ 65°C for T5 -60°C ≤ Ta ≤ 70°C for T4
III IV	≤ 5W ≤ 5W	Ex II 2GD Ex e mb IIC T6 Gb IP67 Ex tb IIIC T6 Db IP67 -60°C ≤ Ta ≤ 70°C for T6
II	≤ 20W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 55°C for T6 -60°C ≤ Ta ≤ 70°C for T5
II	≤ 30W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -60°C ≤ Ta ≤ 40°C for T6 -60°C ≤ Ta ≤ 55°C for T5 -60°C ≤ Ta ≤ 70°C for T4

ENCLOSURE TYPE 88

SIZE	Power	US & Canada (UL Recognized)
III	≤ 6W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ 55 °C FOR T6 -60 °C ≤ Ta ≤ 70 °C FOR T5 -60 °C ≤ Ta ≤ 100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
IV	≤ 5W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +65 °C FOR T6 -60 °C ≤ Ta ≤ +80 °C FOR T5 -60 °C ≤ Ta ≤ +100 °C FOR T4A TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II III IV	≤ 9W ≤ 9W ≤ 13W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +60 °C FOR T6 -60 °C ≤ Ta ≤ +75 °C FOR T5 -60 °C ≤ Ta ≤ +95 °C FOR T4A -60 °C ≤ Ta ≤ +100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II III	≤ 15W ≤ 17W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +50 °C FOR T6 -60 °C ≤ Ta ≤ +65 °C FOR T5 -60 °C ≤ Ta ≤ +85 °C FOR T4A -60 °C ≤ Ta ≤ +100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II	≤ 22W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +45 °C FOR T6 -60 °C ≤ Ta ≤ +60 °C FOR T5 -60 °C ≤ Ta ≤ +70 °C FOR T4A TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II	≤ 30W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +30 °C FOR T6 -60 °C ≤ Ta ≤ +45 °C FOR T5 -60 °C ≤ Ta ≤ +65 °C FOR T4A -60 °C ≤ Ta ≤ +70 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P

ENCLOSURE TYPE 62

Enclosure	ATEX/ IECEx (Eurpoe)/ INMETRO/ CEPEL (Brazil)	EAC - CuTR (Russia)
Al Cast	Ex ia IIC T5 Ga (-60°C ≤ Ta ≤ +75°C) Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +60°C) Ex ia IIIC T200 125°C IP67 Da (60°C ≤ Ta ≤ +75°C)	0 Ex ia IIC T5 Ga IP67 (-60°C ≤ Ta ≤ +75°C) 0 Ex ia IIC T6 Ga IP67 (-60°C ≤ Ta ≤ +60°C) 0 Ex ia IIIC T200 125°C IP67 Da (-60°C ≤ Ta ≤ +75°C)
SS Cast	Ex ia IIC T5 Ga (-60°C ≤ Ta ≤ +75°C) Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +60°C) Ex ia IIIC T200 125°C IP67 Da (60°C ≤ Ta ≤ +75°C) Ex ia I Ma (-60°C ≤ Ta ≤ 75°C)	0 Ex ia IIC T5 Ga IP67 (-60°C ≤ Ta ≤ +75°C) 0 Ex ia IIC T6 Ga IP67 (-60°C ≤ Ta ≤ +60°C) 0 Ex ia IIIC T200 125°C IP67 Da (-60°C ≤ Ta ≤ +75°C) PO Ex ia I Ma (-60°C ≤ Ta ≤ +75°C) (ТОЛЬКО сталь) ИЛИ
Al Cast	Ukraine 0 Ex ia IIC T5 X -60°C ≤ Ta ≤ +75°C 0 Ex ia IIC T6 X -60°C ≤ Ta ≤ +60°C	
SS Cast	BIS & PESO, DGMS Ex ia IIC T5, IP67 (-40°C ≤ Ta ≤ 75°C) Ex ia IIC T6, IP67 (-40°C ≤ Ta ≤ 60°C)	

MARKING Weather Proof

ENCLOSURE TYPE 17

US & Canada (UL Recognised)
TYPE 3, 3R, 3S, 4, 4X, 6 & 6P -60°C to +100°C POWER ≤ 20W -60°C to +60°C 20W < POWER ≤ 30W

3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

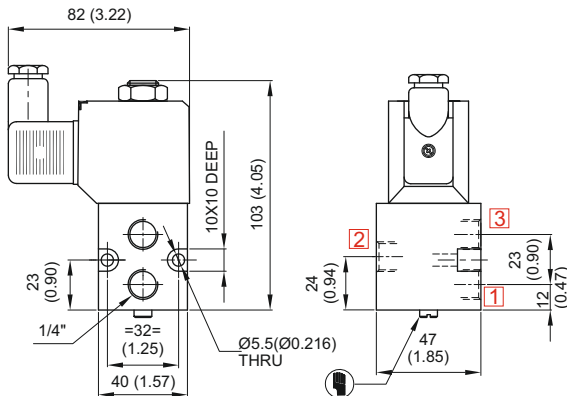
14 ACCESSORIES			
	CODE	DESCRIPTION	
	① ✕	NIL	VALVE-PORT
	A1	NRV Metallic Dust cap SS316, ideally suited for Protecting Valve internals from external Environment (Ambient Temperature - 60 °C to 150 °C (-76 °F to 302 °F), Water, Snow, Bugs, etc.	
	A3	Silencer Sintered Bronze	
	A4	Silencer Sintered SS	
	A5	Dust cap (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F)	
	A6	NRV Dust cap Nylon, ideally suited for preventing external Environmental Media/ Water/ Liquid entering in the valve. Supplied only for 1/4" BSP/ NPT (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F)	SOLENOID
	① ✕	NIL	
	B1	Weather Proof Cable Gland M20X1.5(M) Brass	
	B5	ATEX Approved Cable Gland (Plastic) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F)	
	B6	ATEX Approved Cable Gland (BRASS) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F)	
	B7	ATEX Approved Cable Gland (SS316) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F)	
	B8	Weather Proof Cable gland M20X1.5(M) (Plastic)	
	B3	Explosion Proof Double Compression Cable Gland (BRASS) 1/2" NPT(M) (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F), CCOE/ PESO Certified	
	B4	Explosion Proof Double Compression Cable Gland (SS316) 1/2" NPT(M) (Ambient Temperature - 20 °C to 80 °C (-4 °F to 176 °F), CCOE/ PESO Certified	

SERIES : 32D

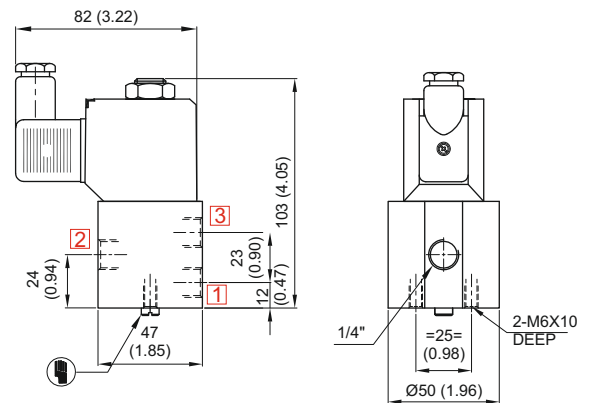
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

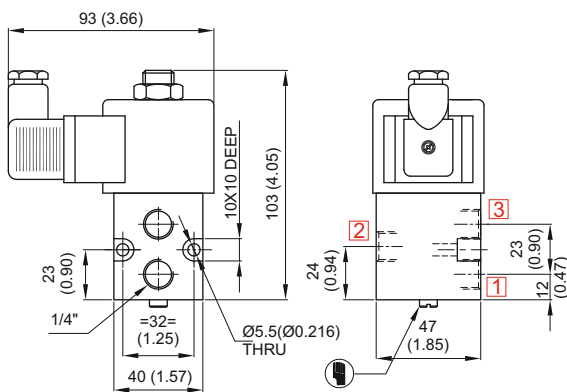
All Dimensions are in mm (inch)



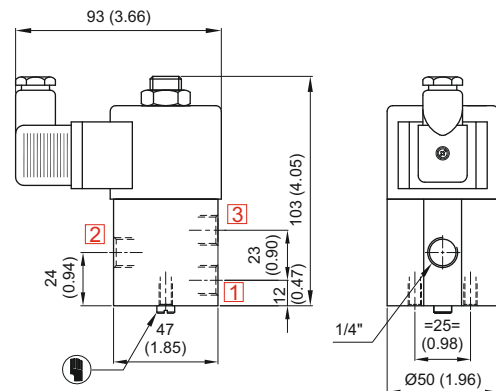
Valve Type	30308
Solenoid Model	22
Solenoid Size	I
Body Material	Aluminium, Brass



Valve Type	30308-B5
Solenoid Model	22
Solenoid Size	I
Body Material	SS



Valve Type	30308
Solenoid Model	25
Solenoid Size	III
Body Material	Aluminium, Brass

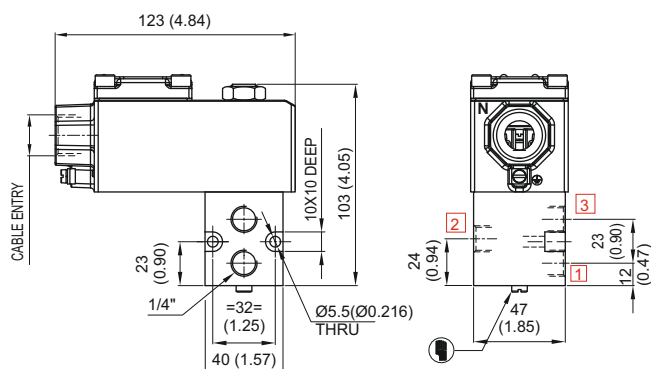


Valve Type	30308-B5
Solenoid Model	25
Solenoid Size	III
Body Material	SS

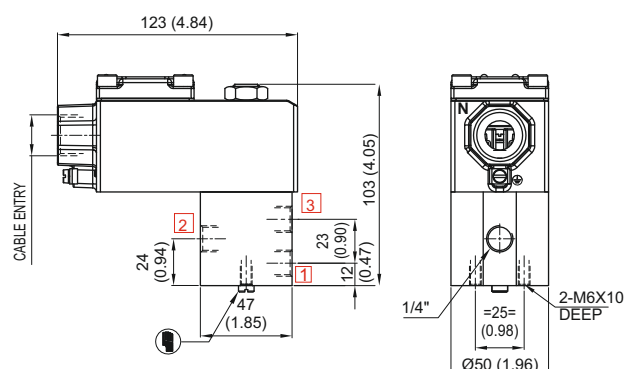
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

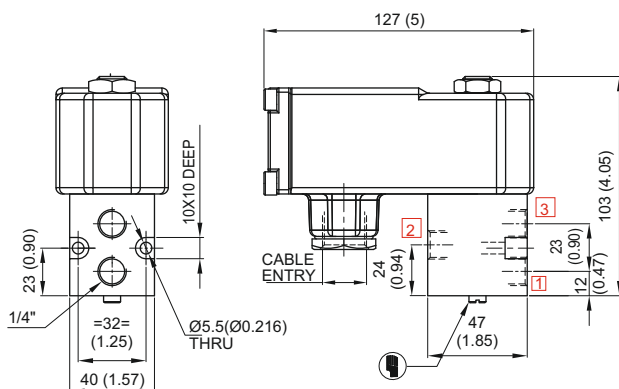
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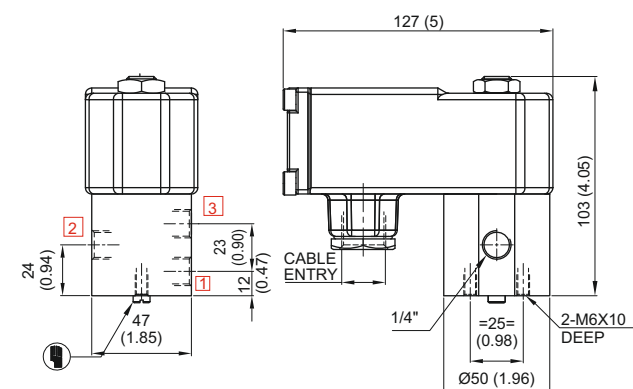
Valve Type	30308
Solenoid Model	16, 19, 37, 39, 58, 58LT
Solenoid Size	III
Body Material	Aluminium, Brass



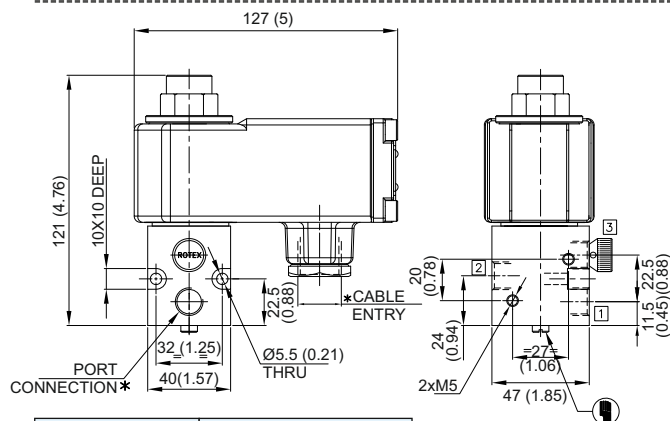
Valve Type	30308-B5
Solenoid Model	16, 19, 37, 39, 58, 58LT
Solenoid Size	III
Body Material	SS



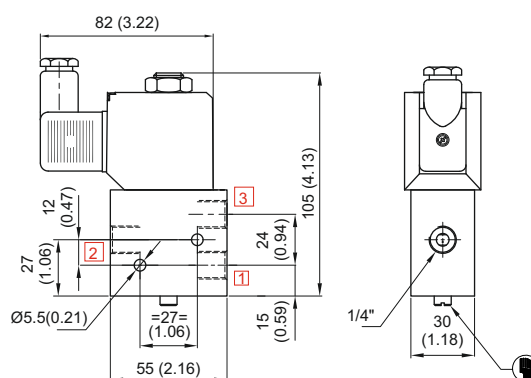
Valve Type	30308
Solenoid Model	17, 87
Solenoid Size	III
Body Material	Aluminium, Brass



Valve Type	30308-B5
Solenoid Model	17, 87
Solenoid Size	III
Body Material	SS



Valve Type	30308
Solenoid Model	88
Solenoid Size	III
Body Material	Aluminium
Port Connection	1/4"



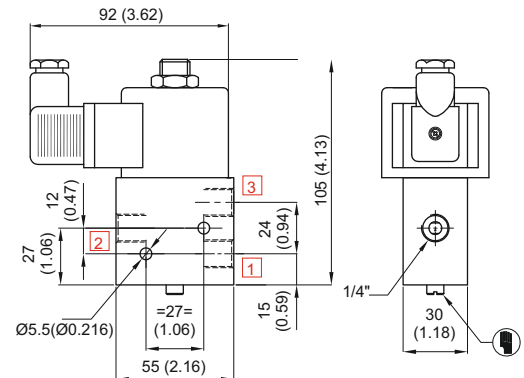
Valve Type	30334-5
Solenoid Model	22
Solenoid Size	I
Body Material	Brass, SS

SERIES : 32D

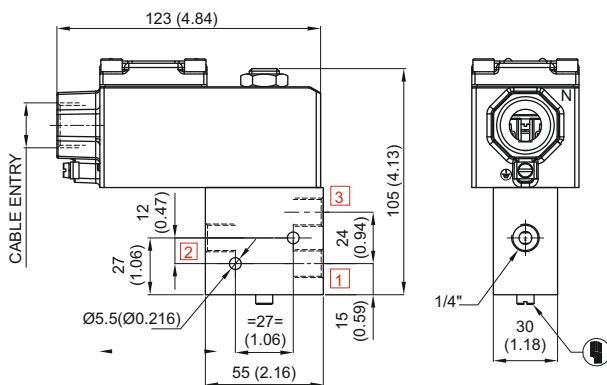
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

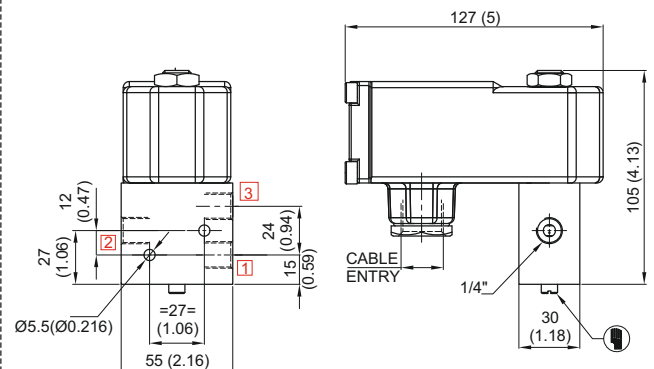
All Dimensions are in mm (inch)



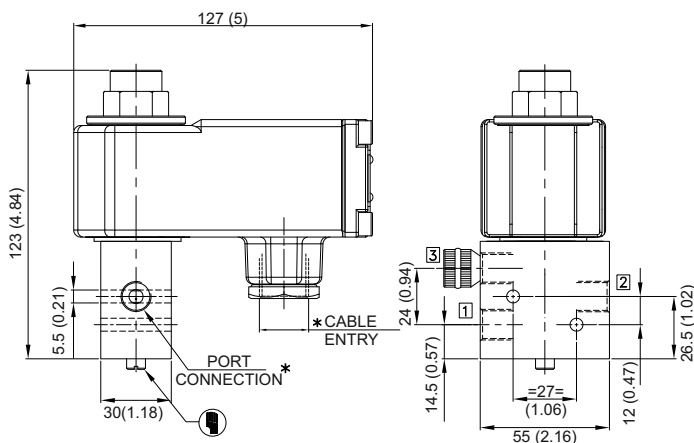
Valve Type	30334, P3005-R, P3012-R, 30329-5
Solenoid Model	25
Solenoid Size	III
Body Material	Brass, SS



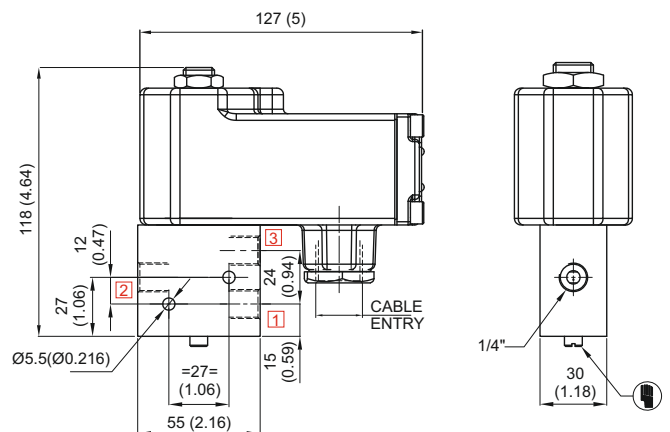
Valve Type	30334, P3005-R, P3012-R, 30329-5
Solenoid Model	16, 19, 37, 39, 58, 58LT
Solenoid Size	III
Body Material	Brass, SS



Valve Type	30334, P3005-R, P3012-R, 30329-5
Solenoid Model	17, 87
Solenoid Size	III
Body Material	Brass, SS



Valve Type	P3012R-5/P3005R-5/P3012ER-5
Solenoid Model	88
Solenoid Size	III
Body Material	SS
Port Connection	1/4"

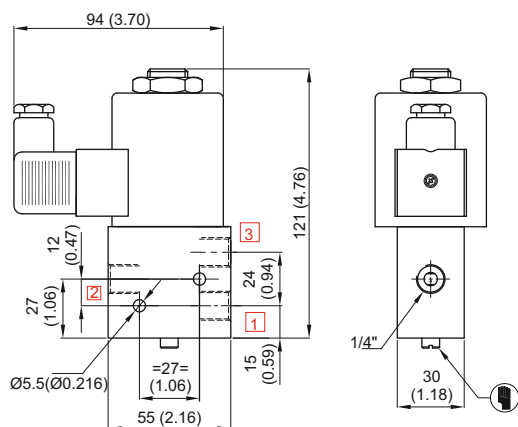


Valve Type	P3017V01-R
Solenoid Model	17, 87, 62
Solenoid Size	IV
Body Material	Brass, SS

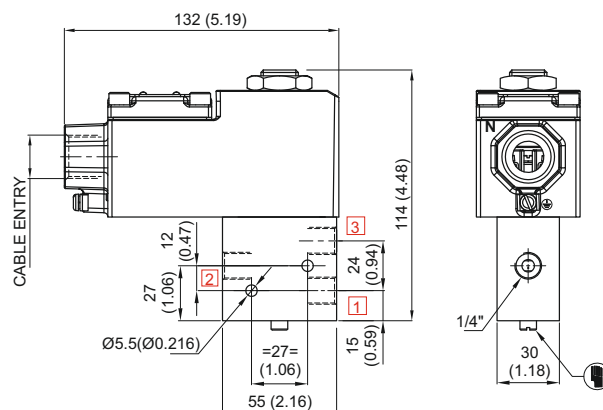
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

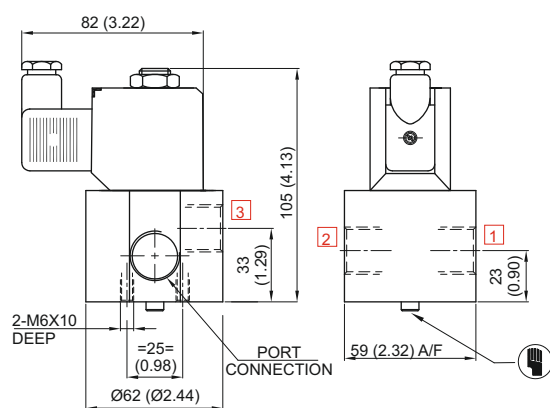
All Dimensions are in mm (inch)



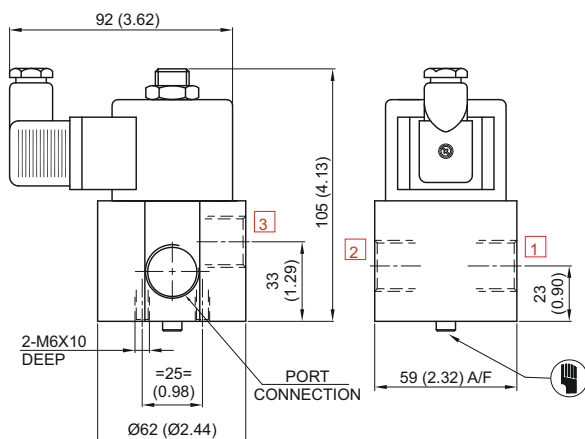
Valve Type	P3017V01-R
Solenoid Model	25
Solenoid Size	IV
Body Material	Brass, SS



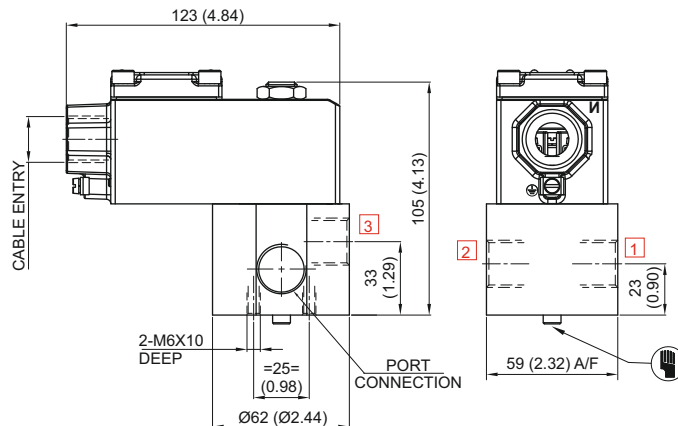
Valve Type	P3017V01-R
Solenoid Model	16, 37, 39
Solenoid Size	IV
Body Material	Brass, SS



Valve Type	30333
Solenoid Model	22
Solenoid Size	I
Body Material	Brass, SS
Port Connection	3/8", 1/2"



Valve Type	30333, P3005, P3012, 30329-5
Solenoid Model	25
Solenoid Size	III
Body Material	Brass, SS
Port Connection	3/8", 1/2"



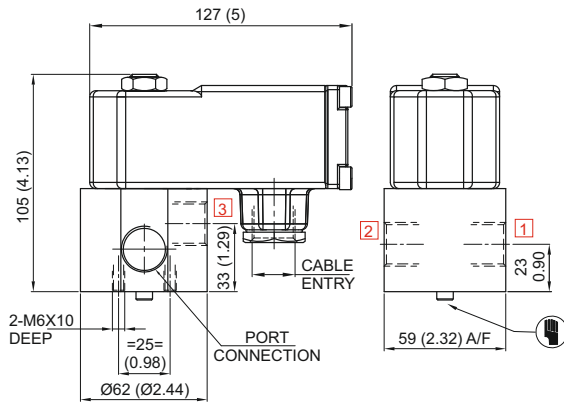
Valve Type	30333, P3005, P3012, 30329-5
Solenoid Model	16, 19, 37, 39, 58, 58LT
Solenoid Size	III
Body Material	Brass, SS
Port Connection	3/8", 1/2"

SERIES : 32D

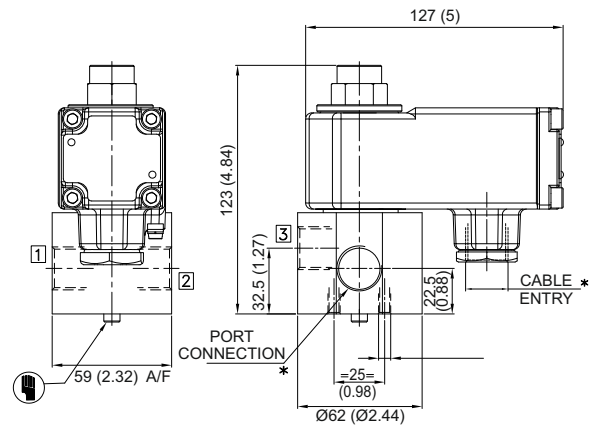
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

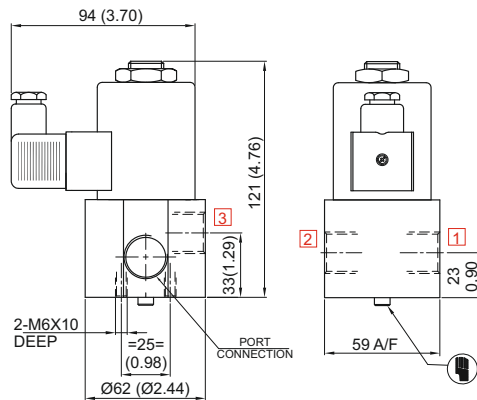
All Dimensions are in mm (inch)



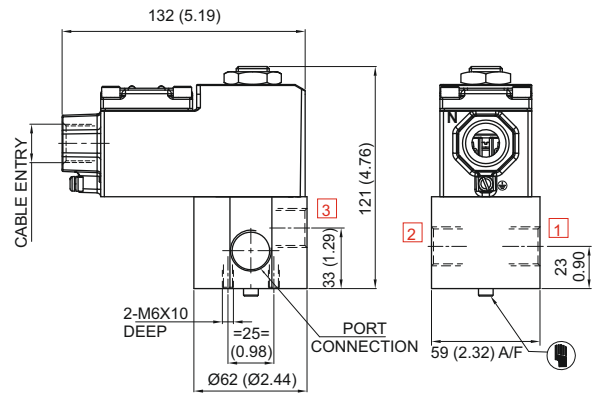
Valve Type	30333, P3005, P3012, 30329-5
Solenoid Model	17, 87
Solenoid Size	III
Body Material	Brass, SS
Port Connection	3/8", 1/2"



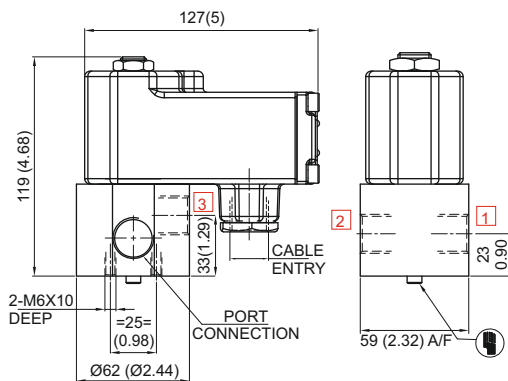
Valve Type	30333-5
Solenoid Model	88
Solenoid Size	III
Body Material	SS
Port Connection	1/2"



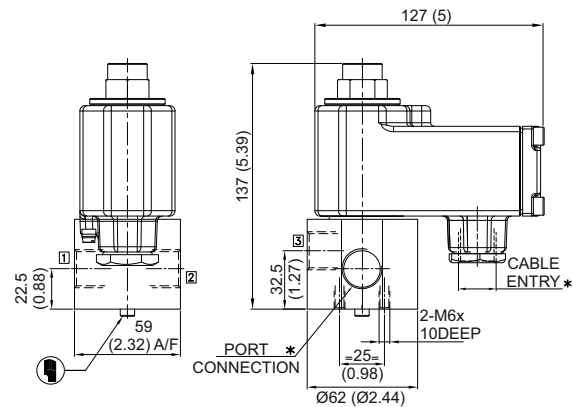
Valve Type	P3017V01
Solenoid Model	25
Solenoid Size	IV
Body Material	Brass, SS
Port Connection	3/8", 1/2"



Valve Type	P3017V01
Solenoid Model	16, 37
Solenoid Size	IV
Body Material	Brass, SS
Port Connection	3/8", 1/2"



Valve Type	P3017V01
Solenoid Model	17, 87, 62
Solenoid Size	IV
Body Material	Brass, SS
Port Connection	3/8", 1/2"

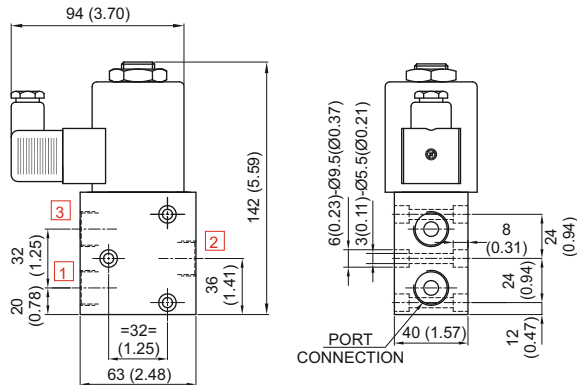


Valve Type	P3017V01 - 5
Solenoid Model	88
Solenoid Size	IV
Body Material	SS
Port Connection	1/2"

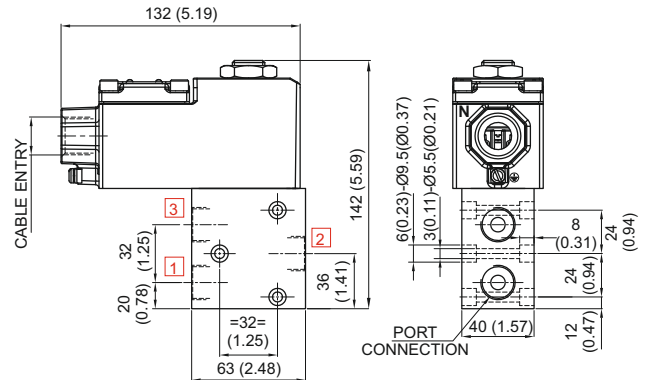
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

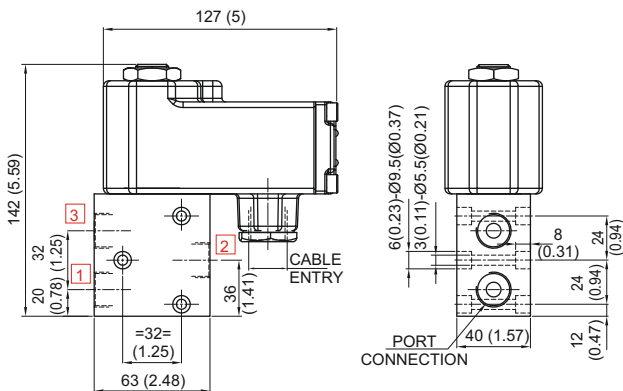
All Dimensions are in mm (inch)



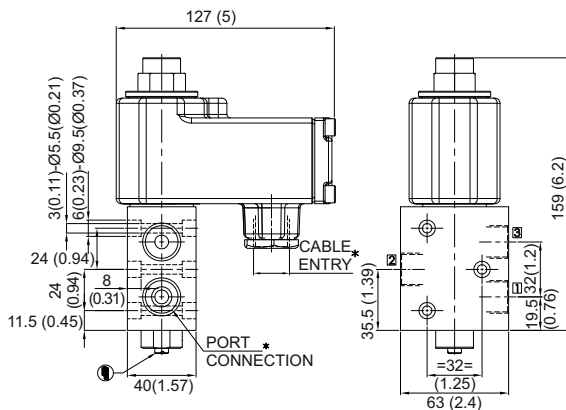
Valve Type	30334-7
Solenoid Model	25
Solenoid Size	II
Body Material	Brass, SS
Port Connection	1/4", 3/8", 1/2"



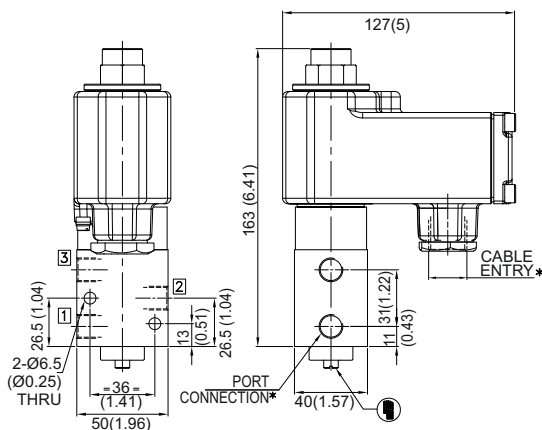
Valve Type	30334-7
Solenoid Model	16, 19, 37, 39, 58, 58LT
Solenoid Size	II
Body Material	Brass, SS
Port Connection	1/4", 3/8", 1/2"



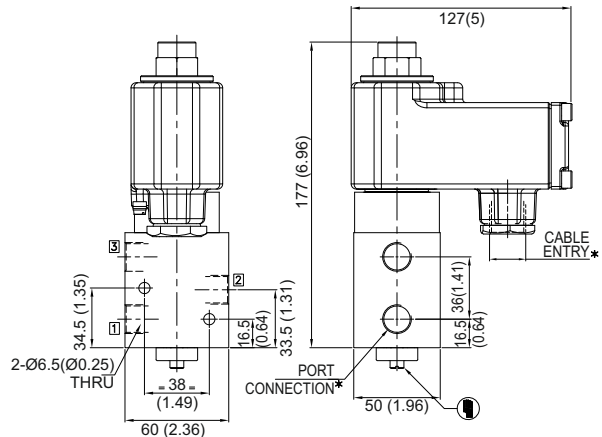
Valve Type	30334-7
Solenoid Model	17, 87
Solenoid Size	II
Body Material	Brass, SS
Port Connection	1/4", 3/8", 1/2"



Valve Type	30334-7
Solenoid Model	88
Solenoid Size	II
Body Material	SS
Port Connection	3/8", 1/2", 1/4"



Valve Type	30309-7/30329-7
Solenoid Model	88
Solenoid Size	II
Port Connection	1/4"



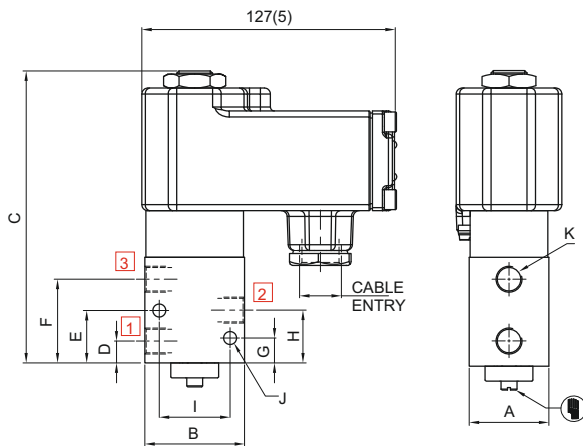
Valve Type	30309-10, 30329-10
Solenoid Model	88
Solenoid Size	II
Body Material	SS
Port Connection	1/2", 3/8"

SERIES : 32D

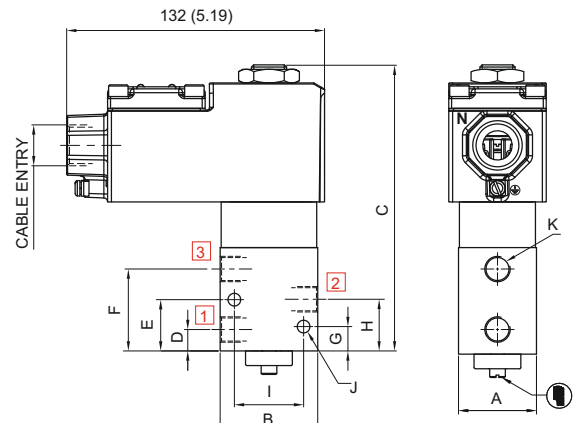
3/2 DIRECT ACTING HIGH ORIFICE UNIVERSAL SOLENOID VALVE

DIMENSIONS

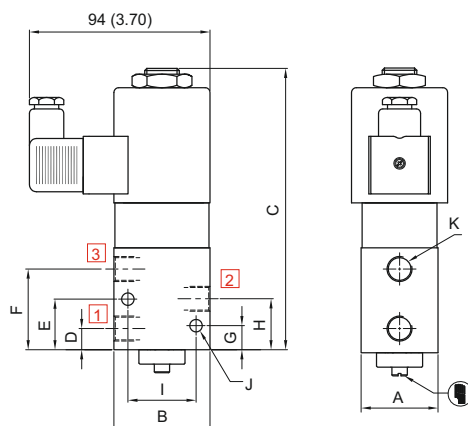
All Dimensions are in mm (inch)



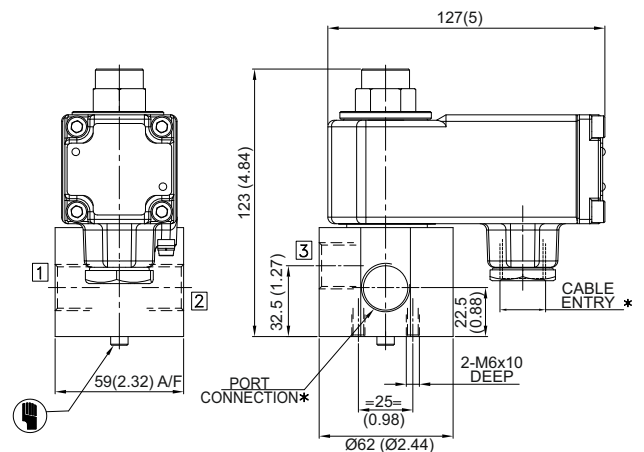
Valve Type	30309-10, 30329-10	30329-7
Solenoid Model	17, 87	
Solenoid Size	II	
Port Connection	3/8", 1/2"	1/4", 3/8"



Valve Type	30309-10, 30329-10	30329-7
Solenoid Model	16, 19, 37, 39, 58, 58LT	
Solenoid Size	II	
Port Connection	3/8", 1/2"	1/4", 3/8"



Valve Type	30309-10, 30329-10	30329-7
Solenoid Model	25	
Solenoid Size	II	
Port Connection	3/8", 1/2"	1/4", 3/8"



Valve Type	P3012-5/P3005-5
Solenoid Model	88
Solenoid Size	III
Body Material	SS
Port Connection	1/2"

NW	K	A	B	C	D	E	F	G	H	I	J
7	1/4", 3/8"	40 (1.57)	50 (1.97)	151 (5.94)	16 (0.63)	32 (1.26)	47 (1.85)	189 (0.71)	32 (1.26)	36 (1.42)	6.5 (0.26)
10	3/8", 1/2"	50 (1.97)	60 (2.36)	158 (6.22)	16.5 (0.65)	34.5 (1.36)	52.5 (2.07)	16.5 (0.65)	33.5 (1.32)	38 (1.50)	6.5 (0.26)



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