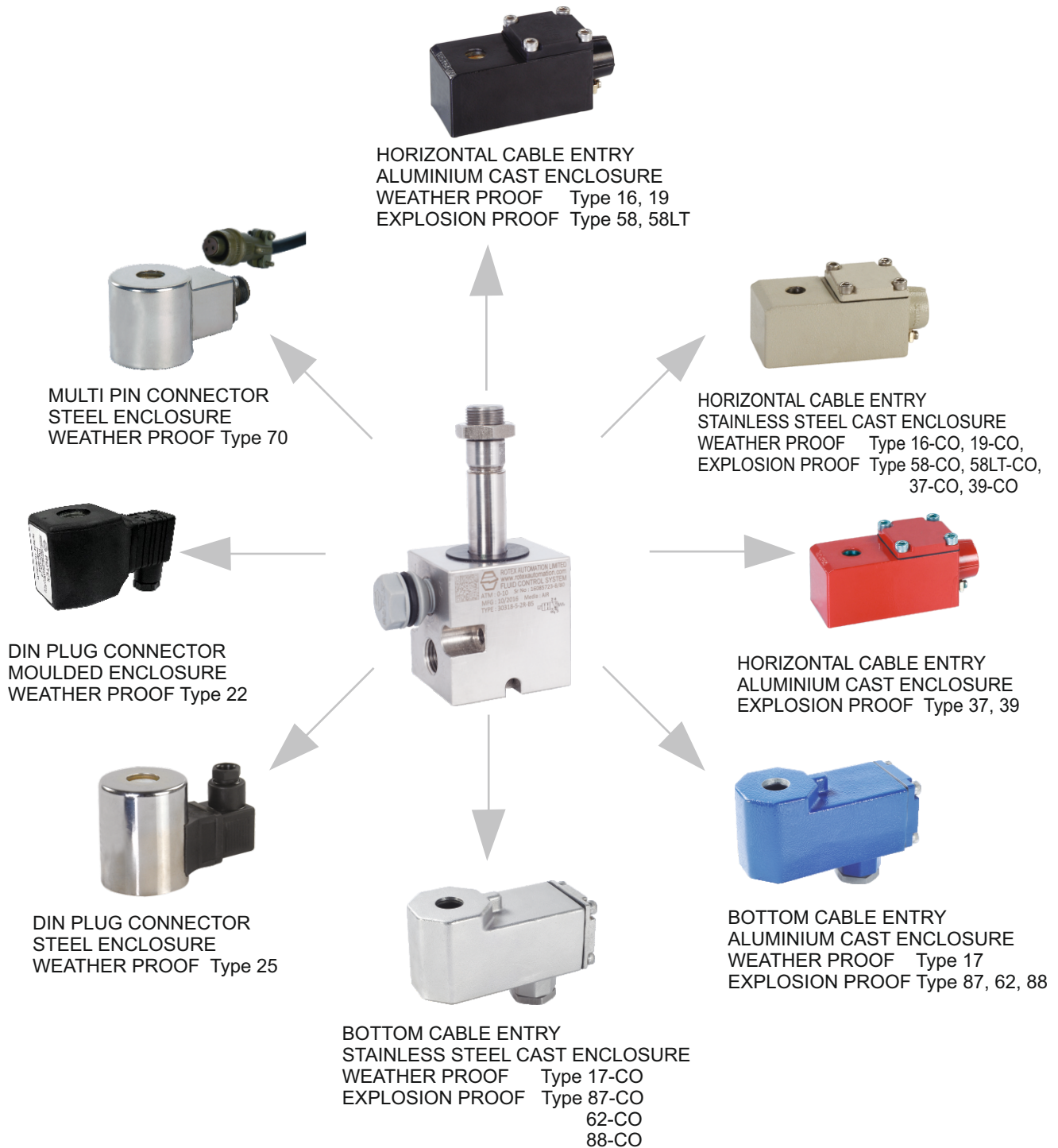


3/2 DIRECT ACTING NAMUR SOLENOID VALVE

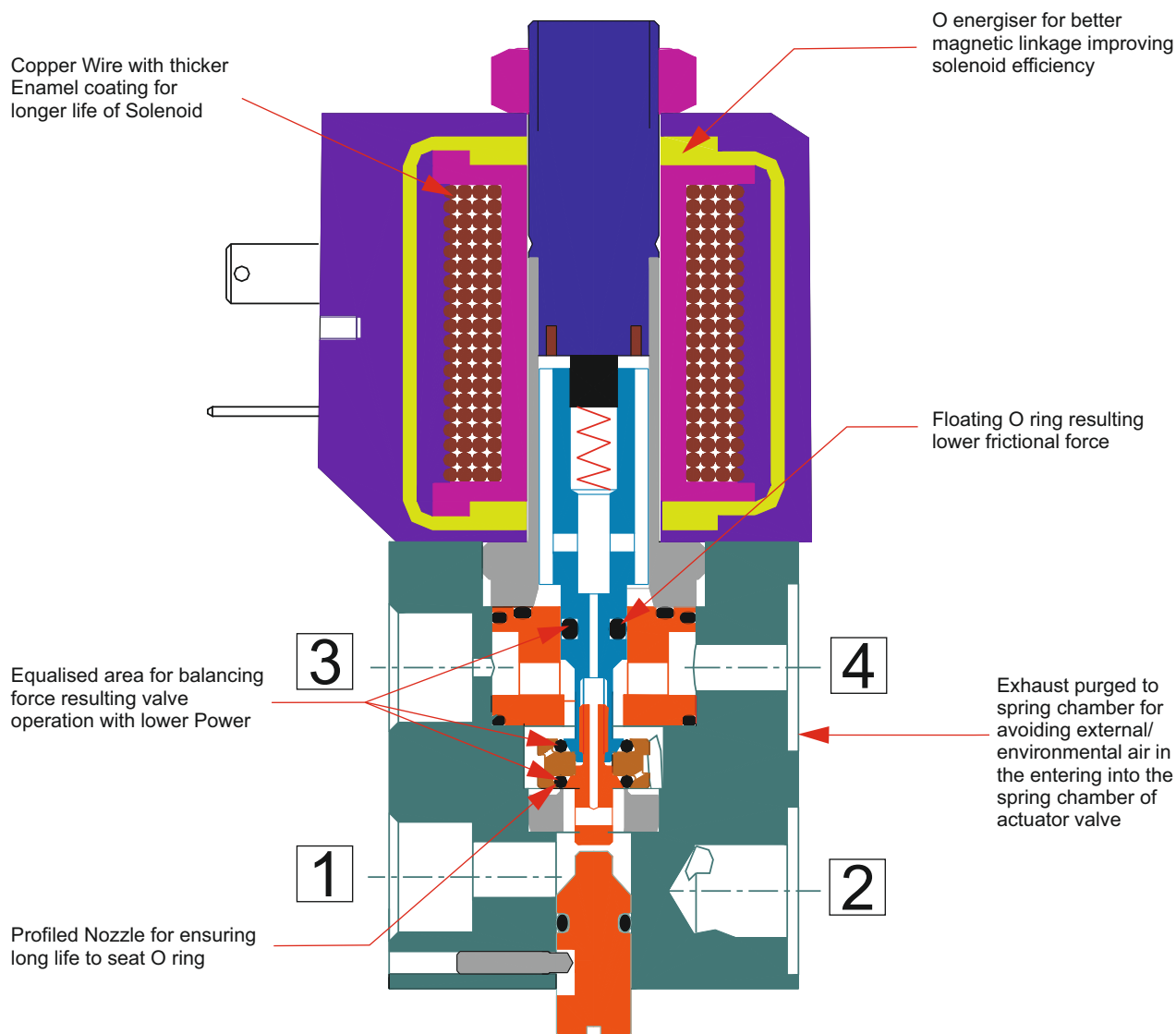


**Interchangeable across
Voltage/ Current range without
affecting performance of the Valve**

3/2 DIRECT ACTING NAMUR SOLENOID VALVE

FEATURES

- Bubble tight shut OFF
- Mounts in any position
- Vibration resistance up to 9g
- Ideally Suitable for dusty environment
- Suitable for high speed cycling, speed upto 900 cycles/ min
- Life >20 million cycles



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	SS
30318-5	0.50(1.10)	0.80(1.76)

Solenoid

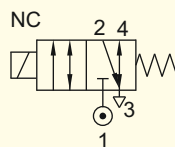
Type	Size	kg (lbs)
22	I	0.25(0.55)
25	II	0.45(0.99)
	III	0.40(0.88)
	IV	0.50(1.94)

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 NAMUR SOLENOID VALVE

TYPE	PRESSURE RANGE bar (psi)
30318	0 - 10 (0 - 150)
30318LW	0 - 10 (0 - 150)
30318LA	0 - 10 (0 - 150)



WETTED PARTS

Code	✕	B5
Body	Anodized Aluminium	SS316
Internals	Aluminium, Brass and SS316	SS316
Guide	SS304	
Shadow-Ring	None	
Plunger, Insert	SS430	
Spring	SS302	
Fasteners	SS304	
Seat, Seals	NBR, Viton, F. Silicon	



DGMS

PESO



CE



KOSHA



NACE
MR 0175-1

APPLICATION

Operation of single acting Actuator, Control Valve having NAMUR pad

POWER

Type	Normal		Low		Ex ia
	8W	3.5 W	1.8W	1W	Type 62
30318					30318LW
30318LA					
30318LW					
30318LW					
Size	I/ III	III	IV	IV	IV

SPARES

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

PORT CONNECTION

VALVE TYPE	MODE	INLET	OUTLET	OUTLET	EXHAUST
30318, 30318LA 30318LW	NC	1	2	4 (Inactive)	3

Contact Rotex for

• Any other Temperature Range, Media and Application

3/2 DIRECT ACTING NAMUR SOLENOID VALVE

SPECIFICATION

VALVE	
Valve Type	3/2 Direct Acting, NAMUR solenoid valve
Body Material	Aluminium / Stainless Steel 316
Port Connection	NAMUR
Orifice	5mm (3/16)
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
Media	Air, Inert Gas
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	≤ 12ms / ≤ 12ms
Pressure	0 - 10 bar (0 - 150 psi)
Accessories	O-ring & fasteners for mounting Solenoid Valve supplied loose & NRV dust plug provided on Exhaust port

SOLENOID	
Voltage-Current	DC 12V, 24V, 48V, 110V, 220V, 256V
	AC / DC (50Hz / 60Hz / DC) 24V, 110V, 120V, 230V, 240V
Power	8W / 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	SIL	SUFFIX	ORIFICE	PORT CONNECTION	BODY INTERNAL	MANUAL OVERRIDE	SEAL	⑦ MEDIA
30318	※	※	5	2R	B5	M8	S2G	※
ACCESSORIES VALVE, PORT	+							
A1 - D1	SIZE	VOLTAGE, CURRENT	ENCLOSURE	⑦ MTL	SPECIAL	POWER	INSULATION	APPROVAL
	III	24V DC	87NS	※	SS	※	H	01
SIL	ACCESSORIES SOLENOID							
※	B4							

ORDERING CODE Valve Spare Kit

SPARE KIT	VALVE TYPE	SIL	SUFFIX	ORIFICE	PORT CONNECTION	BODY INTERNAL	MANUAL OVERRIDE
99	30318	※	※	5	2R	B5	M8
SEAL	ACCESSORIES VALVE, PORT						
S2G	A1 - D1						

ORDERING CODE Spare Solenoid

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

VALVE TYPE-ORIFICE	
CODE	DESCRIPTION
NORMAL POWER	
30318	0 - 10 bar (0 - 150 psi), 8 Watt
30318L5-5	0 - 10 bar (0 - 150 psi), 5 Watt, Size III
LOW POWER	
30318LA-5	0 - 10 bar (0 - 150 psi), 3.5 Watt, Size III
30318LW-5	0 - 10 bar (0 - 150 psi), 1.8 Watt, Size IV
30318LW-5	0 - 10 bar (0 - 150 psi), 1 Watt, Enclosure Type 17, 87, Lw1, Size IV
INTRINSICALLY SAFE Ex ia 24V DC	
30318LW-5	0 - 10 bar (0 - 150 psi), Ex ia, Enclosure Type 62, Size IV

SIL CERTIFIED	
CODE	DESCRIPTION
① ※	NO
SL	YES

SUFFIX	
CODE	DESCRIPTION
① ※	NIL
⑧ AM	Ammonia

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

BODY MATERIAL	
CODE	DESCRIPTION
① ※	Aluminium
B5	SS316
B5N	SS316 NACE Compliance

3/2 DIRECT ACTING NAMUR SOLENOID VALVE

MANUAL OVERRIDE	
CODE	DESCRIPTION
M0	NIL
① ✖	Stayput
M8	Momentary

SEAL		
CODE	GRADE, AMBIENT/ FLUID TEMPERATURE	MEDIA
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)	✓

②⑦ MEDIA	
CODE	DESCRIPTION
① ✖	Air, Inert Gas

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
IV-24V DC	IV	24V DC
IV-110V DC	IV	110V DC

⑦ ENCLOSURE MATERIAL	
CODE	DESCRIPTION
① ✖	Aluminium Cast Epoxy Powder Coated
CO	CF8M (Stainless Steel Cast)
CO - 3M	CF3M (Stainless Steel 316L Cast)

SPECIAL	
CODE	DESCRIPTION
① ✖	NIL
⑦ FR	Full Rectifier with Surge Suppressor Size II, III, IV
①⑨ LD	LED, Size II, III, IV
①② SS	Surge Suppressor Size II, III, IV
③⑩ RC	Half Rectifier with Surge Suppressor Size II, III

ENCLOSURE TYPE	
CODE	DESCRIPTION
WEATHER PROOF	
①② 22	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650B, Size I
①② 25	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650A, Size II, III, IV
16	Integrated Terminal box, IP67, ½" NPT, -40°C to 100°C
19	Integrated Terminal box, IP67, M20X1.5, -40°C to 100°C
17	Integrated Terminal Box, IP67, Bottom Cable Entry, M25X1.5, Size II, III, IV
17-MS	Integrated Terminal Box, IP67, Bottom Cable Entry, M20X1.5, Size II, III, IV
17-NS	Integrated Terminal Box, IP67, Bottom Cable Entry, ½" NPT, Size II, III, IV
17-A	Integrated Terminal Box, IP68, Bottom Cable Entry, M25X1.5, Size II, III, IV
17-MS-A	Integrated Terminal Box, IP68, Bottom Cable Entry, M20X1.5, Size II, III, IV
17-NS-A	Integrated Terminal Box, IP68, Bottom Cable Entry, ½" NPT, Size II, III, IV
EXPLOSION PROOF Ex d (For Gas & Dust)	
①⑤ 37	Ex d IIC IP66, -40°C TO 60°C (-40°F to 140°F), ½" NPT
①⑤ 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
87-MS-A	Ex d IIC IP68, -60°C TO 100°C (-76°F to 212°F), M20 X 1.5, Size II, III, IV
87-NS-A	Ex d IIC IP68, -60°C TO 100°C (-76°F to 212°F), ½" NPT, 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

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	24V 50Hz/ ④ 60Hz/ DC	48V DC	110V DC	110V 50Hz/ ④ 60Hz/ DC	120V 50Hz/ ④ 60Hz/ DC	220V DC	220V 50Hz ④ 60Hz/ DC	240V 50Hz/ ④ 60Hz/ DC	256V DC
① ✕	I	8.0	✓	✓									
LW3.5	III	3.5	✓	✓			✓	✓	✓				
		4.0							✓				
① ✕	III	8.0	✓	✓	✓		✓	✓	✓	✓	✓		
		9.0								✓		✓	✓
LW1.8	IV	1.8		✓			✓	✓	✓				
⑪ LW1	IV	1.0		✓									

INSULATION	
CODE	DESCRIPTION
① ✖	CLASS F
H	CLASS H

SIL	
CODE	DESCRIPTION
① ✖	NO
SL	YES

3/2 DIRECT ACTING NAMUR SOLENOID VALVE

APPROVAL		⑨ ENCLOSURE TYPE							
CODE	DESCRIPTION	17	37	39	58	58LT	62	87	88
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)	✓							
② 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)						✓		
③ 23	CE (Weatherproof Solenoid)	✓							
④ 20	EAC (Weatherproof Solenoid)	✓							

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
- ⑤ Current DC, 50Hz, 60Hz
- 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
- ⑪ Enclosure type 17, 17NS, 87, 87MS, 87NS
- ⑫ Current DC
- ⑬ Ambient Temperature restricted for Enclosure type 17, 37, 39, 58, 58LT, 87, 62 to Solenoid Ambient Temperature
- ⑭ Select Nil or one Accessories from A1 to A6 for Valve and from B1 to B8 for Solenoid, and D1 from Port
- ⑮ Ip67 Certified by BIS, CCOE/ PESO, DGMS
- ⑯ Can not be opted for Enclosure Type 01, 06
- ⑰ Can be opted for Enclosure Type 01, 06, 16, 19, 22, 25
- ⑱ KOSHA certificate only for Enclosure Size II ≤ 20W
- ⑲ Do not Opt for Enclosure Type 01, 06, 22
- ⑳ Media shall not be part of Ordering code but It shall be printed separately on Valve
- ㉑ For Solenoid type 25 with AC current supply, Use 50Hz with Special RC Option
- ㉒ For Intrinsically Safe Solenoid, LD (LED) can be opted with CCOE/PESO certification only

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) ≤	4800	3800	2500	1600	850	650	450	400	250	250	Time (msec) ≤	5000	4000	2500	2000

3/2 DIRECT ACTING NAMUR 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 : 15-AV4BO-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/T150°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 NAMUR 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	PO Иа X -60°C ≤ Ta ≤ +75°C (ДЛЯ варіанта у сталюму корпусі) 0 Ex ia IIC T5 X -60°C ≤ Ta ≤ +75°C 0 Ex ia IIC T6 X -60°C ≤ Ta ≤ +60°C	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

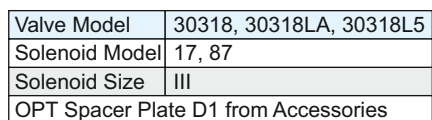
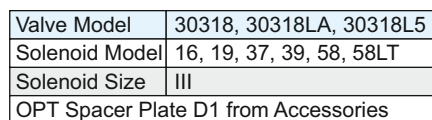
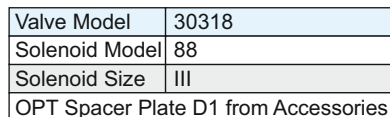
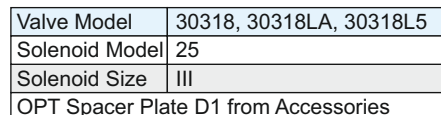
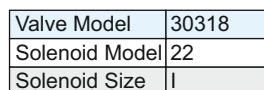
ENCLOSURE TYPE 17

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

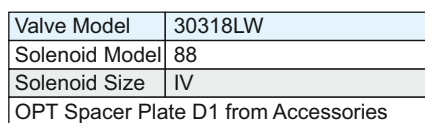
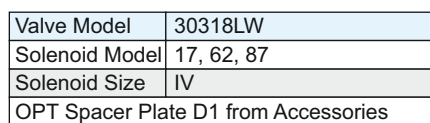
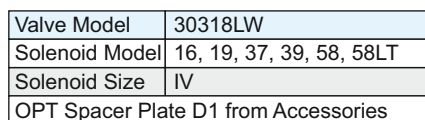
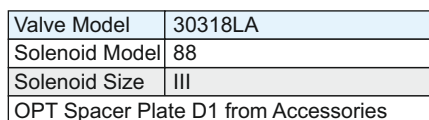
SERIES : 32D
3/2 DIRECT ACTING NAMUR SOLENOID VALVE

14 ACCESSORIES			
	CODE	DESCRIPTION	
	①※	NIL	VALVE
	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))	
	①※	NIL	PORT
	D1	Spacer Plate	
	①※	NIL	SOLENOID
	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 (68°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	

DIMENSIONS



DIMENSIONS





ROTEX AUTOMATION LIMITED

SALES HQ

B/703/704, Western Edge-II,
Off Western Express Highway,
Borivali (East), Mumbai-400066
Ph: +91 22 42111444
Fax: +91 22 42111400

OVERSEAS:

Bier Straat 117
3011 XA
Rotterdam
The Netherlands
Phone : +31 88 505 35 05
Email : info@rotexcontrols.nl

WORKS

UNIT 1

987/11, GIDC Makarpura,
Vadodara - 390010, Gujarat, INDIA.
Ph. : +91 265 2638136/ 2638795/ 46
Fax : +91 265 2638130

UNIT 2

C - 1 B/ 1501, 4 & 5, GIDC
Vithal Udyognagar - 388121,
Gujarat, INDIA.
Ph. : +91 2692 236224/ 236292/ 236399
Fax : +91 2692 236442