

# ASCO™ Operator

For potentially explosive atmospheres flameproof/encapsulation |

II 2GD, Ex db mb IIC T\* Gb | Ex mb tb IIIC T\*°C Db, Ta = -40°C to +\*°C Stainless steel

**SERIES**  
**VCEV\*\*X**  
**TPL 24062**

## FEATURES

- Explosion proof Junction Box Enclosure for the wiring of ASCO solenoids
- Intended for use in potentially explosive atmospheres, according to Directive 2014/34/EU
- EC type examination certificate (Sira 15ATEX5296X) and IECEx certificate (IECEX SIR 15.0104X) are in compliance with the European Standards EN-IEC60079-0, EN-IEC60079-1, EN-IEC60079-18, EN-IEC60079-31, EN-IEC 13463-1
- Full stainless steel 316L construction with molded epoxy coils provide reliable protection in corrosive environment
- Hermetically-sealed construction against moisture ingress
- Factory pre-wired and assembled to any explosion proof ASCO RedHat II solenoid valve
- Easy electrical installation and installation cost reduction by means of a separate explosion proof splice box to terminate solenoid valves' wiring
- Enclosure comes with 8 combination choices of 4 different conduit directions and 2 sizes of conduit entries



## CONSTRUCTION

Housing & Cover	Stainless Steel 316L
Gasket	Silicon (VMQ)
Coil	Epoxy molded
Ground Screws	Stainless Steel 316L
Terminal Block	PBT

## ELECTRICAL CHARACTERISTICS

### Standard Voltages

AC: 24, 120, 240, 440 volts, 60 Hz or  
(110, 220 volts, 50hz)  
DC: 6, 12, 24, 120, 240 volts

(Valves with VCEV housing maintain wattage and current ratings as shown on individual catalog sheets.)

## SAFETY CODE

II 2GD  
Ex db mb IIC T\* Gb  
Ex mb tb IIIC T\*°C Db  
Ta = -40°C to +\*°C

## TEMPERATURE CLASSIFICATION

The minimum allowable ambient temperature is -40°C for the operator. Select the requested "T" classification from the temperature classification tables (AC or DC), respecting the maximum ambient temperature and cold (20°C) electrical holding power values.

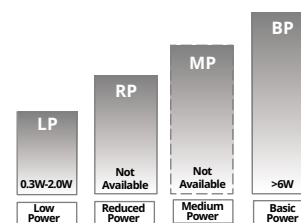
### AC (~) Solenoids

Power Level (watt)	Solenoid Size MXX	Insulation Class	"T" Classification	Maximum Ambient Temp (°C) <sup>(1)</sup>
<b>Basic Power (BP)</b>				
10.1	•	F	T4	52
10.1	•	H	T4	60
15.1	•	F	T4	55
17.1	•	F	T3	40
17.1	•	H	T3	40

<sup>(1)</sup> Make sure that the selected ambient temperature does not exceed the allowable valve temperature characteristics as specified on the appropriate valve catalog sheets

### DC (=) Solenoids

Power Level (watt)	Solenoid Size MXX	Insulation Class	"T" Classification	Maximum Ambient Temp (°C) <sup>(1)</sup>
<b>Low Power (LP)</b>				
0.55	•	F	T6	65
0.70	•	H	T5	80
0.75	•	F	T6	65
1.40	•	F	T6	60
1.70	•	F	T6	60
1.80	•	F	T5	74
<b>Basic Power (BP)</b>				
11.60	•	F	T4	55
11.60	•	H	T4	55
22.60	•	F	T4	35
22.60	•	H	T4	35



POWER LEVELS  
electrical holding values (watt)

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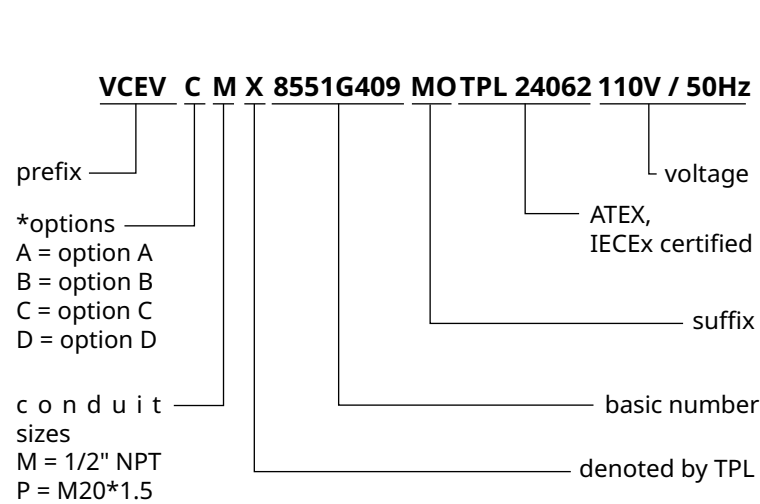
## PREFIX TABLE

Prefix							Description
1	2	3	4	5	6	7	
V	C	E	V				Flameproof/Encapsulated - STAINLESS STEEL ATEX + IECEx (IEC60079, IEC13463) <sup>(3)</sup>
				H	T		Class H - High temperature
						X	Other special constructions

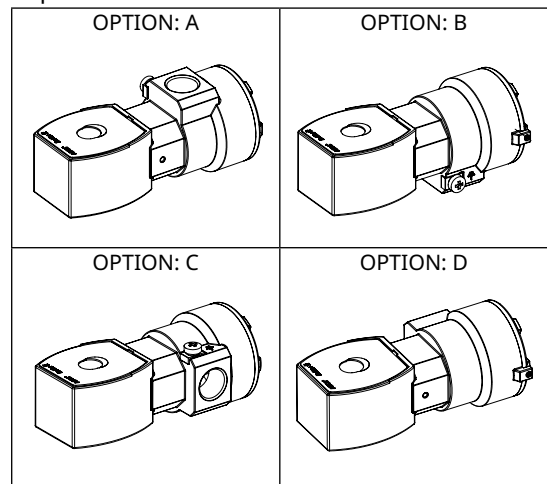
<sup>(3)</sup> Prefix VCEV - It comes with 8 combination choices of 4 different conduit directions and 2 conduit entries sizes. Refer to details under ORDERING EXAMPLES VALVES

## ORDERING EXAMPLES VALVES:

Add prefix corresponding to specific conduit size required to any RedHat II valve catalog number & specify the voltage. Only MXX coil is applicable for EV in the stainless steel VCEV explosion-proof enclosure.



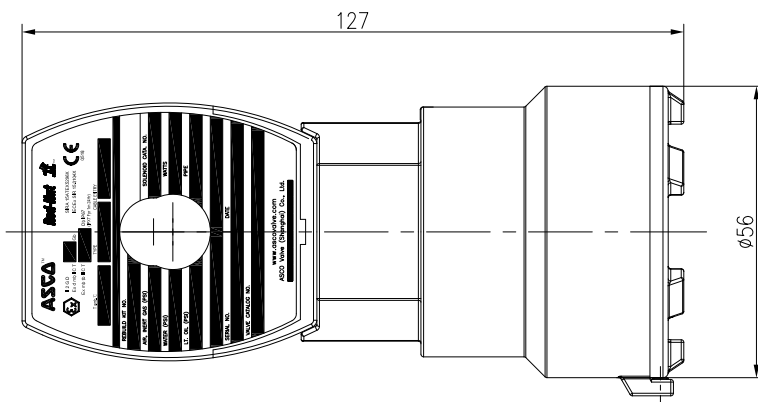
\*options



## INSTALLATION

- Installation/Maintenance instructions are included with each valve
- The solenoid operators can be mounted in any position without affecting operation
- For optimum life and performance, the solenoid should be mounted vertically and upright to reduce the possibility of foreign matter accumulating in the solenoid base sub-assembly area
- Internal and external earthing connection

## DIMENSIONS(mm), WEIGHT(kg)



Weight (kg)	0.93
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