

## SOLENOID COILS

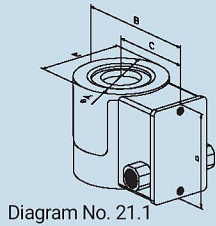
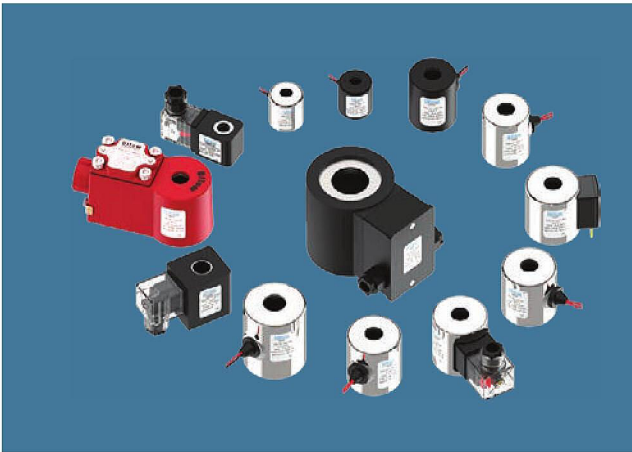


Diagram No. 21.1

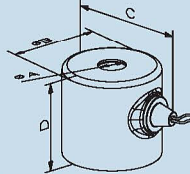


Diagram No. 21.4

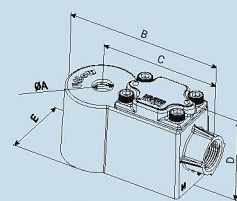


Diagram No. 21.2

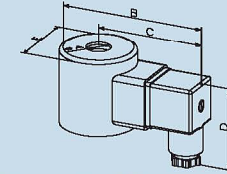


Diagram No. 21.5

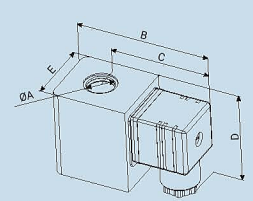


Diagram No. 21.3

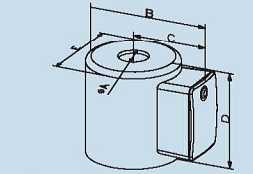


Diagram No. 21.6

## SPECIFICATIONS

|                          |   |          |                |           |           |
|--------------------------|---|----------|----------------|-----------|-----------|
| Coil Type :              | Epoxy Moulded With LED Din Connector, Metallic Round Shape With Lead Wire Continuous Duty, IP-67 Flame Proof Coil Enclosure, IP-68 Weather Proof Coil Enclosure   |          |                |           |           |
| Coil Bore Diameter :     | 8mm, 10mm, 14mm, 16mm, 18mm, 30mm   |          |                |           |           |
| Class :                  | H-Class, Weather Proof IP-68, Flame Proof IP-67   |          |                |           |           |
| Voltage :                | 24AC  | 110AC    | 230AC          | 12DC      | 24DC      |
| Watt :                   | 7W  | 8W / 30W | 8W / 17W / 30W | 10W / 30W | 11W / 30W |
| Duty :                   | 100%  |          |                |           |           |
| Main Features :          | Surge Suppressors for High Wattage Coil.<br>90% Power saver series also available, Latching Coil.   |          |                |           |           |
| Latching Coil Benefits : | <input checked="" type="checkbox"/> Remote or Battery operated application<br><input checked="" type="checkbox"/> A situation where a valve needs to be open/actuated for an extended period of time<br><input checked="" type="checkbox"/> When heat rise occurs from the coil being constantly energized to maintain its position is an unacceptable side effect in your application. |          |                |           |           |
|                          | End connections in Flame Proof Coils are available in   |          |                |           |           |
|                          | - 1/2" NPT  |          |                |           |           |
|                          | - 3/4" NPT  |          |                |           |           |
|                          | - M20 X 1.5   |          |                |           |           |

## DIMENSION

All dimensions are in mm

| Type                                   | Diagram No. | A     | B     | C     | D     | E     |
|--|-------------|-------|-------|-------|-------|-------|
| Epoxy Moulded Round Coil               | 21.1        | 30.50 | 105   | 69    | 75    | 71    |
| Flame proof Coil Enclosure             | 21.2        | 14.50 | 112   | 86    | 62.50 | 52    |
| Epoxy Moulded With LED Din Connector   | 21.3        | 14.50 | 71    | 53    | 49    | 35.50 |
| Epoxy Moulded With LED Din Connector   | 21.3        | 10.30 | 65    | 52    | 46    | 26    |
| Metallic Round Shape With Lead Wire    | 21.4        | 14.50 | 44    | 57    | 47.50 | -     |
| Metallic Round Shape With Lead Wire    | 21.4        | 10.30 | 28    | 33.5  | 30    | -     |
| Metallic Round Shape LED Din Connector | 21.5        | 14.50 | 85    | 62.50 | 50    | 44    |
| Epoxy Moulded With LED Din Connector   | 21.3        | 18.50 | 84.2  | 57    | 58    | 54    |
| Metallic Round Shape With Lead Wire    | 21.4        | 18.50 | 50    | 62    | 60.50 | -     |
| Metallic Round Shape Power Saver       | 21.6        | 14.50 | 61.30 | 39    | 49.00 | 44    |

We Are Introducing New Power Saver Series (VA Series) Served by Our R&D Department, This New Latest Technology Saves Up to 90% of Power.

### BENEFITS:

- ✓ Reduce Battery Drain
- ✓ Reduce Wiring Cost
- ✓ Reduce Temperature Rise
- ✓ Energy Savings
- ✓ Improve Valve Performance at High Pressure
- ✓ Low Wattage

- Weatherproof coils are conforming as per IEC/IEC-60529-2001 (Approved by ERDA) (IP-67).
- Flame Proof Coils conforming as per Is/IEC-60079-1:2007 (Approved by CIMFR).
- Coils are suitable for IIC Atmosphere Condition (Zone 1&2 Gas Group).
- Flame Proof Series are followed under BIS.
- For Flame Proof Condition Working Environment Coils are licensed under PESO.

## COIL IDENTIFICATION CHART

| COIL HOUSING |               | VOLTAGE |          | COIL BORE |       | WATTAGE |       | CONNECTION |           |
|--------------|---------------|---------|----------|-----------|-------|---------|-------|------------|-----------|
| R            | Round         | A       | 230V AC  | F         | 08 mm | 00      | 00.00 | S          | Socket    |
| M            | Epoxy         | B       | 24V AC   | G         | 10 mm | 01      | 01.00 | L          | Lead Wire |
| W            | Weather Proof | C       | 42V AC   | H         | 13 mm | 02      | 02.00 | H          | 1/2" NPT  |
| F            | Flame Proof   | D       | 48V AC   | I         | 14 mm | 03      | 03.00 | M          | M20 X 1.5 |
| P            | Power Saver   | E       | 110V AC  | J         | 16 mm | 04      | 04.00 | T          | 3/4" NPT  |
|              |               | F       | 12V DC   | K         | 18 mm | 05      | 05.00 |            |           |
|              |               | G       | 24V DC   | L         | 20 mm | 06      | 06.00 |            |           |
|              |               | J       | 230V FAC | M         | 22 mm | 07      | 07.00 |            |           |
|              |               | M       | 24V FAC  | N         | 24 mm | 08      | 08.00 |            |           |
|              |               | N       | 415V AC  | O         | 26 mm | 09      | 09.00 |            |           |
|              |               | O       | 36V DC   | P         | 28 mm | 10      | 10.00 |            |           |
|              |               | P       | 110V FAC | Q         | 30 mm | 11      | 11.00 |            |           |
|              |               | Q       | 110V DC  |           |       | 12      | 12.00 |            |           |
|              |               | R       | 48V DC   |           |       | ...     | ...   |            |           |
|              |               |         |          |           |       | 33      | 33.00 |            |           |



POWER SAVER SERIES  
PRODUCT IMAGE



FLAME PROOF COIL ENCLOSURE  
SECTION VIEW