

# **Ruelco**

## **ESD Manual Valve**

## **Model 1102**



# ESD

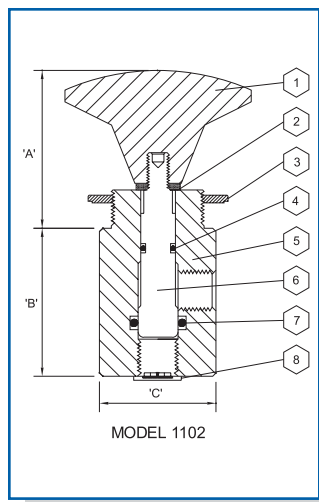
## Manual Valve Model 1102

### FEATURES

- 316 stainless steel construction (models to N.A.C.E. MR0175 available).
- Large  $C_v$  factor provides a fast system response.
- May be used in pneumatic or hydraulic systems.
- No seals crossing ports.
- Easily repaired without removing valve from panel.

#### GENERAL DESCRIPTION:

The Ruelco 'ESD' manual valve has a simple and compact design. Its high flow rate and two way pull to open action makes it ideal for use in manual ESD systems and other control applications that require fast response time. The supply pressure acting on the unbalanced stem maintains the valve in the closed position. This prevents vibration or small pulling forces from accidentally opening the valve. Once pulled, the valve will stay in the open position until manually closed.



| Dimensions Inch (MM) |                           |
|----------------------|---------------------------|
| 'A' (Closed / Open)  | 1.66 / 2.16 (42.2 / 54.9) |
| 'B'                  | 1.59 (40.4)               |
| 'C'                  | 1.25 (31.8)               |
| Port Size            | 1/4" NPT                  |
| Panel Mount Hole     | 1.0 (25.4)                |
| Max. Panel Thickness | .25 (6.4)                 |
| Weight               | 12 OZ. (340 GM.)          |

| Specifications P.S.I. (BAR) |                                        |
|-----------------------------|----------------------------------------|
| Valve Body Max. W.P.        | 150 (10.3)                             |
| Ambient Temp. Range         | -20 to 250 deg. F<br>-29 to 122 deg. C |
| $C_v$ Factor                | 1.8                                    |

### Parts List For ESD Manual Valve

| Item | Qty. | Description            | Material     | Part No.   |
|------|------|------------------------|--------------|------------|
| 1A   | 1    | Black Knob (optional)  | Phenolic     | ZO-200-001 |
| 1B   | —    | Red Knob               | Phenolic     | ZO-200-002 |
| 1C   | —    | Green Knob (optional)  | Phenolic     | ZO-200-003 |
| 2    | 1    | Flat Washer            | 316 St. Std. | WB-AKO-J43 |
| 3    | 1    | Panel Mount Nut        | 316 St. Std. | 10-006-000 |
| 4*   | 1    | Stem Seal              | Viton        | VO-010-75H |
| 5    | 1    | Body                   | 316 St. Std. | 11-004-000 |
| 6    | 1    | Stem                   | 316 St. Std. | 11-003-000 |
| 7*   | 1    | Body Seal              | Viton        | VO-111-90H |
| 8    | 1    | Vent Screen (optional) | Plastic      | ZO-100-000 |
| 9    | —    | Repair Kit             | * Items      | 11-005-000 |

### Ordering Code: 1102 X 241 X X

BASE MODEL NUMBER

Standard Corrosive Service - (-)  
N.A.C.E. Option - N

B - Black Knob  
R - Red Knob  
G - Green Knob

0 - Without Vent Cover  
S - With Vent cover

# ESD Station

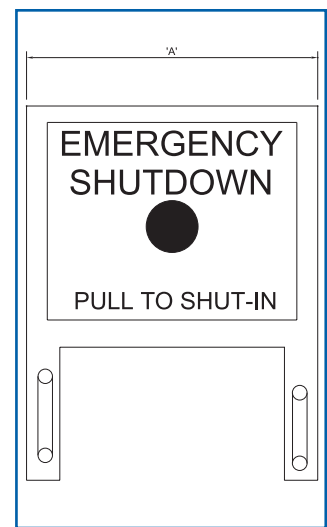
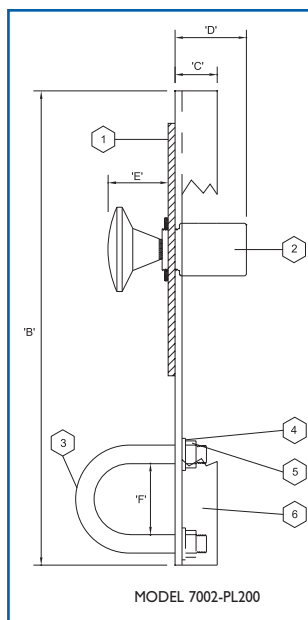
## Manual Pull To Shut-In Model 7002

### FEATURES

- 316 stainless steel construction (models to N.A.C.E. MR0175 available).
- Highly Visible Red Tag.
- Clamps to 1 1/2" dia. pipe (available for other pipe sizes upon request).
- Optional Pull Ring available in various sizes upon request.

#### GENERAL DESCRIPTION:

The Ruelco 'ESD' station is a compact, highly visible ESD station. It uses the Ruelco model 1102 high flow ESD valve. The Ruelco 'ESD' station uses a large red tag to increase visibility. It can be placed in any desired location by clamping the station to any 1-1/2" diameter handrail or any 1-1/2" diameter pipe. (Clamps for other pipe sizes available upon request).



| Dimensions Inch (MM) |               |
|----------------------|---------------|
| 'A'                  | 8.75 (222.3)  |
| 'B'                  | 11.25 (285.8) |
| 'C'                  | 1.0 (25.4)    |
| 'D'                  | 1.66 (42.2)   |
| 'E' (Normal)         | 1.62 (41.1)   |
| 'E' (Pulled for ESD) | 2.12 (53.8)   |
| 'F'                  | 2.06 (52.32)  |

### Parts List For ESD Station

| Item | Qty. | Description     | Material      | Part No.   |
|------|------|-----------------|---------------|------------|
| 1    | 1    | Face Plate      | Acrylic       | 70-001-000 |
| 2    | 1    | ESD Valve       | ---           | 1102-2410R |
| 3    | 2    | U-Bolt          | AISI 316 S.S. | TU-0C1204  |
| 4    | 2    | Flat Washer     | AISI 316 S.S. | WB-AKO-J43 |
| 5    | 2    | Hex Nut         | AISI 316 S.S. | TB-0C1-0A3 |
| 6    | 1    | Support Bracket | AISI 316 S.S. | 70-002-000 |

### Order Model 7002-PL200

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