

# OPW FOOT VALVES

OPW Foot Valves are installed on the bottom of suction tubes in the fuel storage tanks to maintain prime in suction system fuel lines. Single-poppet models are used in applications where the valve is easily accessible for maintenance and disc cleaning or replacement. Double-poppet models provide redundant protection for holding the prime, and are ideal for installations where the valve is not easily accessible. All OPW Foot Valves feature precision metal-to-metal seating arrangements. OPW Foot Valves are recommended for use on suction lines where the pressure does not exceed 34 ft. of head (approximately 15 psi). The 3/4" models can be extracted through a 1 1/2" or larger pipe or tank bung. The 1" models can be extracted through a 2" or larger pipe or tank bung. The 1 1/2" models can be extracted through a 3" or larger pipe or tank bung. The 2" models can be extracted through a 3 1/2" or larger pipe or tank bung.



**OPW 91 (Single Poppet)**



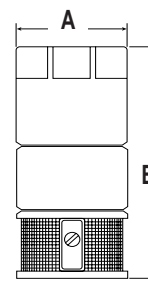
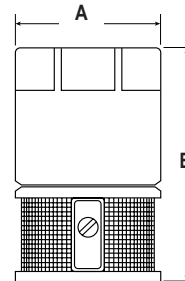
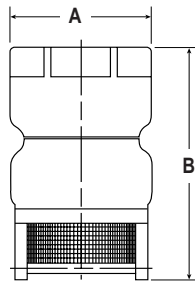
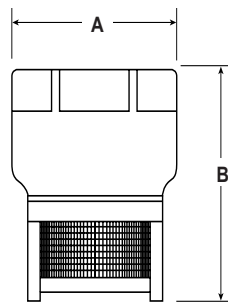
**OPW 92 (Double Poppet)**



**OPW 85 (Single Poppet)**



**OPW 86 (Double Poppet)**



## Ordering Specifications

| Model No. | Thread Size | Poppet Configuration | Weight |     | Replacement Parts |          | Dimensions |     |          |     |
|-----------|-------------|----------------------|--------|-----|-------------------|----------|------------|-----|----------|-----|
|           |             |                      | lbs.   | kg. | Screen            | Disc     | A          |     | B        |     |
|           |             |                      |        |     |                   |          | in.        | mm. | in.      | mm. |
| 91-0033   | 3/4"        | Single               | .52    | .24 | H00479M           | H04972RB | 1 7/16"    | 37  | 2 1/2"   | 64  |
| 91-0044   | 1"          | Single               | .74    | .34 | H00140M           | H00424B  | 1 11/16"   | 43  | 2 9/16"  | 65  |
| 92-0033   | 3/4"        | Double               | .78    | .35 | H00479M           | H04972RB | 1 7/16"    | 37  | 3 21/32" | 93  |
| 92-0044   | 1"          | Double               | 1.3    | .60 | H00140M           | H00424B  | 1 11/16"   | 43  | 3 7/8"   | 98  |
| 85-0022   | 1 1/2"      | Single               | 3.2    | 1.4 | H00130M           | H00398B  | 2 3/4"     | 70  | 4 5/8"   | 118 |
| 86-0022   | 1 1/2"      | Double               | 4.5    | 2.1 | H00130M           | H00398B  | 2 3/4"     | 70  | 6 3/8"   | 162 |
| 86-0033   | 2"          | Double               | 7.4    | 3.4 | H00359M           | H00418M  | 3 3/8"     | 86  | 7 5/16"  | 186 |

## OPW 233E SUCTION TUBE EXTRACTOR FITTINGS

The OPW 233E is installed on top of fuel storage tanks to facilitate the extraction of the suction tube/foot valve assembly from the tank in a suction system. The OPW 233E is for use with any foot valve with a maximum outside diameter of 2 3/4", and has a 4" male thread for connection to a 4" tank bung fitting.

### Ordering Specifications

| Model No. | Top Thread | Outlet Thread | Inlet Male Thread | Inlet Female Thread | Max. Clear I.D. Through Valve | Weight lbs. | kg. |
|-----------|------------|---------------|-------------------|---------------------|-------------------------------|-------------|-----|
| 233E-4040 | 4"         | 1 1/2"        | 4"                | 1 1/2"              | 2 7/8"                        | 20.2        | 9.2 |
| 233E-4240 | 4"         | 2"            | 4"                | 1 1/2"              | 2 7/8"                        | 12.7        | 5.8 |



**OPW 233E**

### Replacement Parts

| Key       | Part No.  | Description   | Key | Part No.  | Description |
|-----------|-----------|---------------|-----|-----------|-------------|
| 1         | H-7071-M  | Cap Lift Pin  | 5   | C-1566-B  | Cage        |
| Not Shown | H-4981-M  | Cotter Pin    | 6   | H-11960-M | Gasket      |
| 2         | H-11961-M | Gasket        |     |           |             |
| 3         | H-1500-B  | Cap           |     |           |             |
| 4         | H-0390-RS | Cage Lift Pin |     |           |             |

### Materials:

Body: zinc plated cast iron  
 Cap and suction stub adaptor: bronze  
 Gasket: Buna-N

