



100 Series 180 Degree Fill Valve

Application

CNG and Bio-Gas dispenser for car, bus and truck filling & CNG and Bio-Gas trailer load/unload systems.



FV103-0-AA6-0 180° Fill Valve

Materials

| Item | Description | Material |
|------|-----------------|---------------------|
| 1 | 180° Valve Body | 6061 Aluminium |
| 2 | Valve Caps | 304 Stainless Steel |
| 3 | Seats | Delrin |
| 4 | Balls | 316 Stainless Steel |
| 5 | Stems | 316 Stainless Steel |
| 6 | Thrusts | Delrin |
| 7 | Glands | Delrin |

| Item | Description | Material |
|------|--------------------|---------------------|
| 8 | Stem O-rings | Nitrile |
| 9 | Stem Backup | Nitrile |
| 10 | Cap & Seat O-rings | Nitrile |
| 11 | Spring Washer | 304 Stainless Steel |
| 12 | Stem Nuts | 304 Stainless Steel |
| 13 | Valve Handle | 304 Stainless Steel |
| 14 | Handle Sleeve | Black Urethane |

Product Information

All products are manufactured under ISO 9001 accredited standards.

The FULL FLOW design means more gas is dispensed faster to the vehicle, maximising the number of vehicle fills per day and minimising wasted gas.

Complies to PED 2014/68/EU.

Port adaptors are required to attached a nozzle and are available on request. Minimum order quantity may apply.

Video servicing instructions available online at oasisngv.com/resources

Features & Benefits

The Oasis full flow fill valve redefines the flow rate standard for NGV gas delivery.

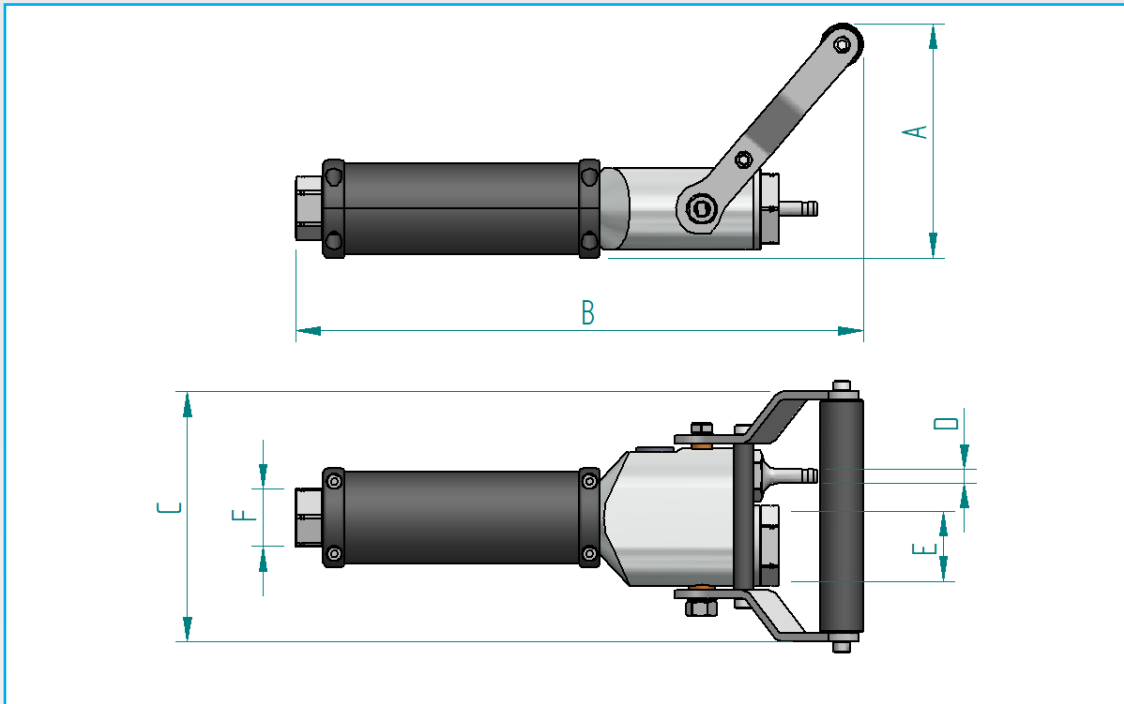
Intuitive fill valve operation.

All Oasis fill valves are easily serviced in the field using Oasis's product specific service kits.

Adaptors are available to extend the position of the nozzle.



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Dimensions Inch (mm)

| Part Code | Size | A | B | C | D (Vent) | E (Inlet) | F (Outlet) |
|---------------|------|-----------|------------|-----------|---------------------|--------------|--------------|
| FV103-0-AA6-0 | 3/8" | 4.3 (110) | 10.5 (266) | 4.6 (118) | 1/4" Male Tube Stub | 3/4 - 16 SAE | 3/4 - 16 SAE |

Product Specification

| Part Code | Mass lb (kg) | Min. Operating Pressure psi (bar) * | MAWP psi (bar) ** | Min Temp °F (°C) | Max Temp. °F (°C) | Stem Open Torque ft-lb (Nm) | Cycles Before Rekit [^] | Cv ⁺ | Fill Valve Service Kit |
|---------------|-----------------|---|----------------------|------------------------|-------------------------|-----------------------------------|--|-----------------|---------------------------|
| FV103-0-AA6-0 | 2.9 (1.3) | 7 (0.5) | 4532 (312.5) | -40 (-40) | 185 (85) | 3.7 (5) | 100,000 | 3.3 | FV103-SKDN |

* Minimum system pressure the product will hold constant bubble tight seal.

** Maximum pressure at which the product can constantly operate at.

[^] It is recommended that the fill valve is re-kitted on or before the maximum number of allowable cycles.

⁺ Tested in accordance with ANSI/ISA 75.02.01:2008.



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Fill valve Service Kits

All wearing components are available for replacement with original Oasis service kits

FV103-SKDN

Fill valve service kit for sealing components, recommended to be replaced on or before the maximum cycles before re-kit as identified in product specifications.



FV103-70

Fill valve handle replacement kit, to be replaced as required



FV103-17

Fill valve 2 piece handle sleeve, to be replaced as required

