



# 100 Series 45° Fill Valve With NGV1 Nozzle

## Applications

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



FV103-4-01A-G - 45° Fill Valve & P36 NGV1 Nozzle

## Features & Benefits

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

Intuitive fill valve and nozzle operation.

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

Adaptors are available to extend the position of the nozzle.

## Product Information

All products are manufactured under ISO 9001 accredited standards.

With the HIGH FLOW design, this means more gas is dispensed faster to the vehicle, maximizing the number of vehicle fills per day and minimizing wasted gas.

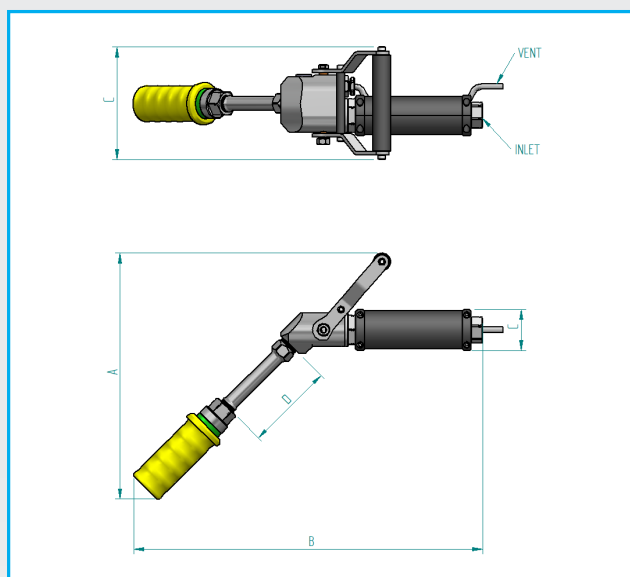
Nozzle tested to ANSI/CGA NGV1 standard.

Complies to PED 2014/68/AU.

Video servicing instructions available online at [oasisngv.com/resources](http://oasisngv.com/resources).



# 100 Series 45° Fill Valve With NGV1 Nozzle



## Dimensions Inch (mm)

Part Code	Size	A	B	C	D (Adaptor length)	E	Inlet Port	Vent Port	Outlet
FV103-4-01A-F	3/8"	8.2 (209)	12.8 (324)	1.8 (46.6)	0.35 (9)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P30
FV103-4-01A-G	3/8"	8.4 (214)	13.0 (329)	1.8 (46.6)	0.35 (9)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P36
FV103-4-0EA-F	3/8"	9.4 (238)	13.9 (353)	1.8 (46.6)	1.97 (50)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P30
FV103-4-0EA-G	3/8"	9.6 (243)	14.1 (358)	1.8 (46.6)	1.97 (50)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P36
FV103-4-0FA-F	3/8"	10.8 (274)	15.3 (388)	1.8 (46.6)	3.94 (100)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P30
FV103-4-0FA-G	3/8"	11.0 (279)	15.5 (393)	1.8 (46.6)	3.94 (100)	5.0 (128)	3/4-16 SAE Female	1/4" Tube	NGV1 P36

## Product Specification

Part Code	Mass lb(kg)	Service Pressure psi (bar)*	MAWP psi (bar)**	Min. Temp. °F (°C)	Max. Temp. °F (°C)	Stem Open Torque ft-lb (Nm)	Cycles Before Rekit <sup>†</sup>	Cv <sup>‡</sup>	Nozzle Service Kit	Fill Valve Service Kit
FV103-4-01A-F	4.4 (2)	3000 (207)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN
FV103-4-01A-G	4.4 (2)	3600 (248)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN
FV103-4-0EA-F	4.6 (2.1)	3000 (207)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN
FV103-4-0EA-G	4.6 (2.1)	3600 (248)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN
FV103-4-0FA-F	4.8 (2.2)	3000 (207)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN
FV103-4-0FA-G	4.8 (2.2)	3600 (248)	4532 (312.5)	-40 (-40)	185 (85)	3.7 (5)	100,000	1.8	NC203-SK1	FV103-SKDN

\* System pressure that the product is designed for.

\*\* Maximum Allowable Working Pressure, the maximum pressure at which the product can constantly operate at.

† It is recommended that the nozzle and fill valve are re-kitted on or before the maximum number of allowable cycles.

‡ Tested in accordance with ANSI/ISA 75.02.01:2008

We reserve the right to modify product specifications without prior notice.



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### 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.



#### NC203-SK1

NGV1 P30/P36 nozzle service kit, recommended to be replaced on or before the maximum cycles before re-kit as identified in product specifications.



#### FV103-17

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



#### FV103-70

Fill valve handle replacement kit, to be replaced as required.

