



100 Series Tank Head Valve TH104 - NGV3.1:2014

Applications

Suitable for CNG, Hydrogen, Helium, Bio-Gas and Air

Bulk gas trailers (cylinders or spheres)

Bulk gas cylinder storage stacks

Gas vehicle cylinder stacks

Fast fill cylinder stacks

Product Information

All products are manufactured to ISO 9001 standards.

Product is certified to ANSI/AGA NGV 3.1:2014

Quarter turn handle.

Can be manufactured to your specifications, contact us for details.

Other end cap and tank fitting options available.

More product information available online at oasisngv.com/resources.

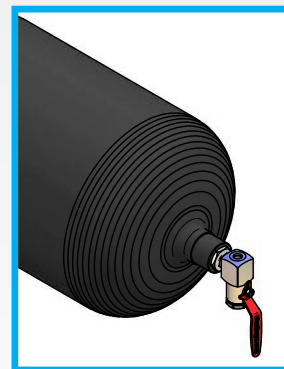
Includes a live PRD port, PRD not included.



TH104 - 1/2" Tank Head Valve

Materials

Part	Material
Body/Cap	304 Stainless steel
Handle	304 Stainless Steel
Ball and Stem	316 Stainless steel
O-rings	Nitrile
Seats and Glands	Delrin



Fitted Tank Head Valve in cylinder

Product Specification

Part Code	Size	Mass lb (kg)	Min. Operating Pressure psi (bar) *	Max. Operating Pressure bar (psi) **	Min. Temp. °F (°C)	Max. Temp. °F (°C)	Cycles Before Rekit ^	Stem Open Torque ft-lb (Nm) ^^	Cv	Service Kit #
TH104-42B1210	1/2"	2.4 (1.1)	90 (6.2)	410 (6000)	-40 (-40)	185 (85)	2 Years	3.3 (4.5)	6.7	TH104-SK2

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

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

^ It is recommended that the tank head valve is re-kitted on or before the maximum number of allowable cycles.

^^ Opening torque at 6,000 psi

Use TH104-SK2 for TH104-42B1210 only. For obsolete TH104 valves use TH104-SK1 service kit, if unsure please contact Oasis.

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

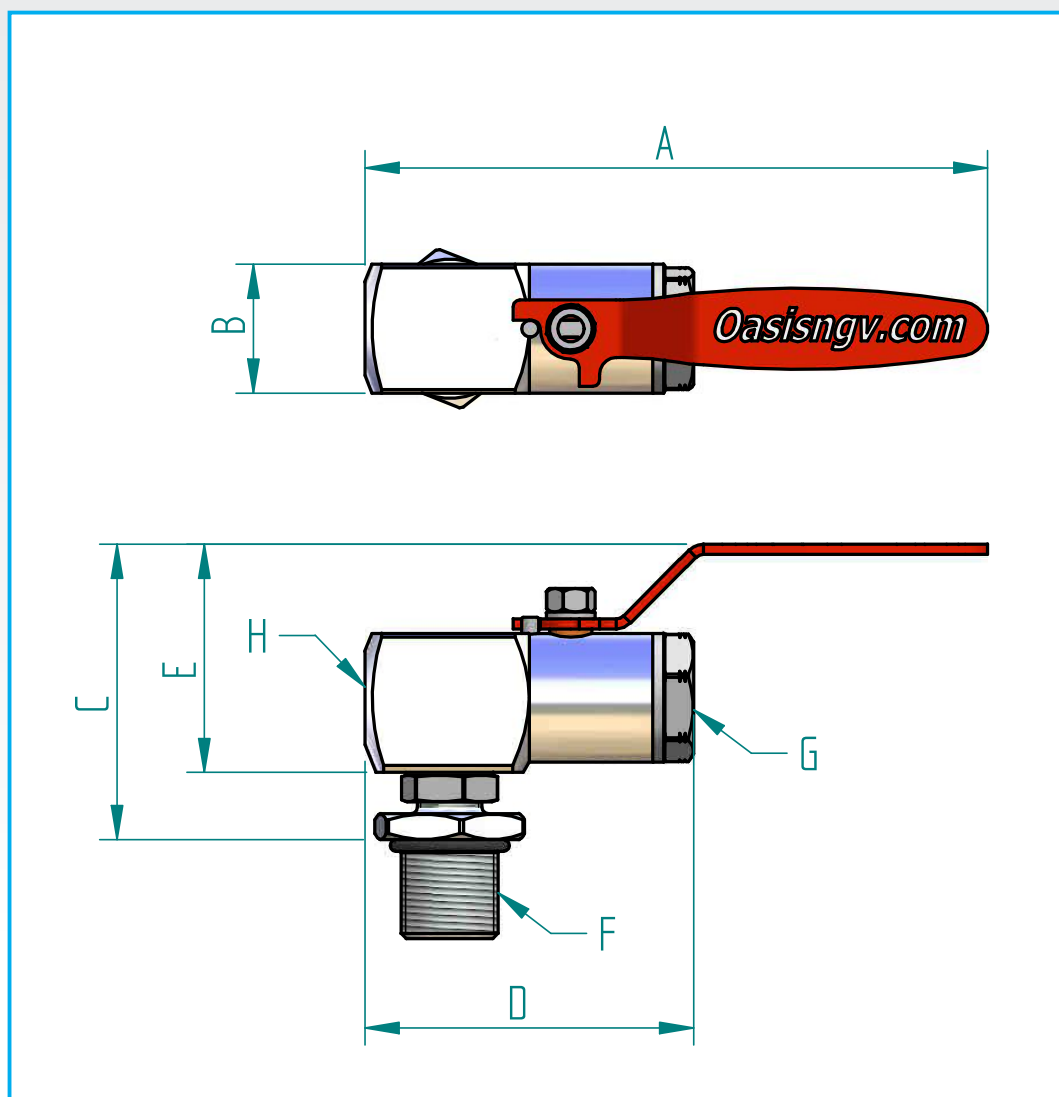


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Dimensions: Imperial (Metric mm)

Part Code	A	B	C	D	E
TH104-42B1210-1000	7.24" (184)	1.49" (38)	3.43" (87)	3.86" (97)	2.64" (67)

Part Code	F (CYLINDER) MALE THREAD	G (END CAP) FEMALE THREAD	H (PRD/LIVE PORT) FEMALE THREAD	PRD TYPE
TH104-42B1210-1000	1 1/8-12 UNF	3/4-16 SAE	9/16-18 SAE FEMALE	CUSTOMER SUPPLIED REMOTE PRD





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Tank Head Valve Flow Area Comparison

