



100 Series Cylinder Valve With Commissioning Port

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
Truck fuel systems

Product Information

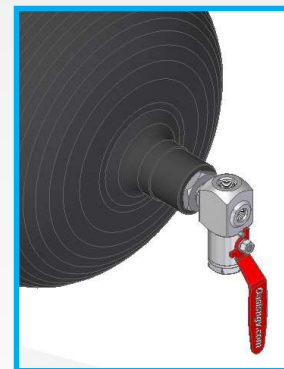
All products are manufactured to ISO 9001:2015 standards.
Product tested to ANSI NGV 3.1:2014 - CSA 12.3-2014.
Complies to PED 2014/68/EU.
Quarter turn handle.
SAE threads conform to SAE J1926-1.
Commissioning Plug allows the cylinder to be isolated for testing.
Part # XTH104-73.
Can be manufactured to your specifications, contact us for details.
Other end cap and cylinder fitting options available.
Includes a live PRD port, PRD not included.
More product information available online at oasisngv.com/resources.



TH104 - 1/2" Cylinder Valve With Commissioning Port

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 Cylinder Valve

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)	Service ^	Stem Open Torque ft-lb (Nm) ^^	Cv	Service Kit
TH104-42D1510-1000	1/2"	2.4 (1.1)	90 (6.2)	410 (6000)	-40 (-40)	185 (85)	5 Years	3.3 (4.5)	6.0	TH104-SK2

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

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

^ Although unnecessary, it is recommended best practice to re-kit the valves during routine cylinder inspection which is typically every 5 years.

^^ Opening torque at 6,000 psi

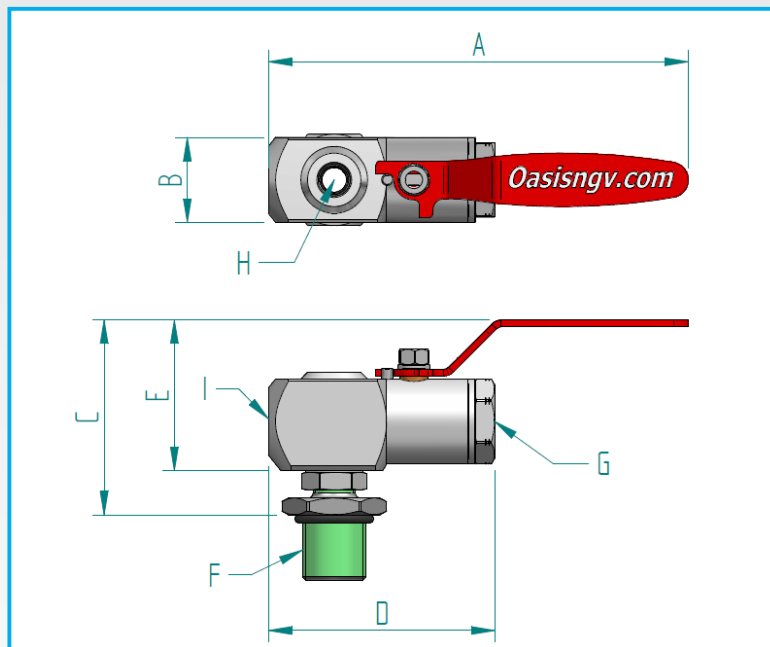


100 Series Cylinder Valve With Commissioning Port

Dimensions:

Part Code	A	B	C	D	E
TH104-42D1510-1000	7.48" (190mm)	1.49" (38mm)	2.99" (76mm)	4.02" (102mm)	2.20" (56mm)

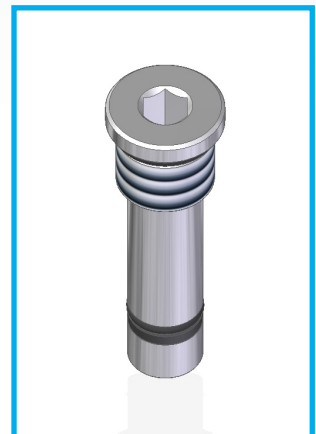
Part Code	F (CYLINDER) MALE THREAD	G (END CAP) FEMALE THREAD	H (COMMISSIONING PORT) FEMALE THREAD	I (PRD/LIVE PORT) FEMALE THREAD	PRD TYPE
TH104-42D1510-1000	1 1/8-12 UNF	3/4-16 SAE	9/16-18 SAE	3/4-16 SAE	CUSTOMER SUPPLIED REMOTE PRD



Accessories:

Part Code	SAE Thread Size	Mass Oz (g)	Stainless Steel Material	Hex Size	Min. Operating Pressure psi (bar) *	Max. Operating Pressure bar (psi) **	Min. Temp. °F (°C)	Max. Temp. °F (°C)
TH104-73	3/8"	1.3 (36)	316	1/4"	90 (6.2)	410 (6000)	-40 (-40)	185 (85)

- Can powder coat plug head on your request to your custom safety color.
- * Minimum pressure that the product will hold constant bubble tight seal.
- ** Maximum pressure at which the product can continuously operate at.
- O-Rings that are supplied with the TH104-73:
 - Imperial 011 Nitrile 90 x1
 - Imperial 011 Back-up Nitrile 90 x1
 - Imperial 906 Nitrile 90 x1



TH104-73 Commissioning Plug



100 Series Cylinder Valve With Commissioning Port

Oasis Cylinder Valve vs Standard Wheel Valve Flow Area Comparison

