Oasis / MEMBER OF THE ELAFLEX GROUP

Scan here for a digital version of this document.

900 Series TPED Cylinder Valves

Applications

High Flow TPED cylinder valves for trailer use.

Suitable for Hydrogen, CNG, RNG, Biogas, Helium, Nitrogen and other gases on enquiry.

TH904-63B92T0-G000

Materials

Item	Part	Material
1	Body & Cap	Stainless Steel
2	Ball	Stainless Steel
3	Stem	Stainless Steel
4	Seats	PEEK
5	Thrust washer	POM

Item	Part	Material
6	Gland	POM
7	O-rings	FKM
8	Backup rings	NBR
9	Handle	Stainless Steel

Product Information

Type tested to ISO23826.

Complies with TPED 2010/35/EU.

CRN pending.

All products are manufactured to ISO 9001 standards.

NPT threads conform to ASME B1.20.1.

SAE threads conform to SAE J1926.
MP threads to Maximator Document 3999.1831.

25E (W28.8) threads conform to ISO11363-2.

UNF18 (1 1/8-12 UNF) threads conform to ASME B1.1.

Tube connections available.

Other connections available on request.

Custom handles available on request.

End users shall consider the pressure and flow of the system to which the valves are installed.

Features & Benefits

Suitable for 385 bar working pressure trailers.

Easy to service, kits readily available.

Quarter turn handle.

Anti blow-out stem.

Manufactured from certified bar stock.

Lockout system available to prevent accidental operation of valve.

Includes a live PRD port (9/16-18 SAE or 3/8 MP), PRD not included.

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

Oasis Engineering Ltd. 129 Birch Ave, Tauranga, 3110, New Zealand, Ph +64 7 9283808, info@oasisngv.com, www.oasisngv.com

4525 © Oasis Engineering Limited

Oasis / MEMBER OF THE ELAFLEX GROUP

Scan here for a digital version of this document.

900 Series TPED Cylinder Valves

NPT Product Specification

Part Code	Size	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Max Allowable Working Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)^^^	Cycles Before Rekit^	Stem Open Torque ft-lb (Nm)^^	Cv	Service Kit
TH904-63B82T0-G000	1/2"	2.6 (1.2)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2000	14.7 (20)	6.7	TH904-SK1-S4
TH904-63B92T0-G000											TH904-SK2-S4

SAE Product Specification

Part Code	Size	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Max Allowable Working Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)^^^	Cycles Before Rekit^	Stem Open Torque ft-lb (Nm)^^	Cv	Service Kit
TH904-62B82T0-G000	1/2"	2.6 (1.2)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2000	14.7 (20)	6.7	TH904-SK1-S4
TH904-62B92T0-G000											TH904-SK2-S4
TH904-62B98T0-G000											

Tube Product Specification

Part Code	Size	Mass lb (kg)	Lowest Operating Pressure bar (psi) *	Working Pressure (WP) bar (psi) **	Max Allowable Working Pressure (PT) bar (psi) ***	Min. Temp. °F (°C)	Max Temp. °F (°C)^^^	Cycles Before Rekit^	Stem Open Torque ft-lb (Nm)^^	Cv	Service Kit
TH904-67B82T0-G000	12mm	2.6 (1.2)	6.9 (100)	385 (5584)	462 (6700)	-40 (-40)	149 (65)	2000	14.7 (20)	6.7	TH904-SK1-S4
TH904-67B92T0-G000											TH904-SK2-S4
TH904-68B82T0-G000	16mm										TH904-SK1-S4
TH904-68B92T0-G000											TH904-SK2-S4

* Lowest settled gas pressure for which the ball valve is designed. This is the minimum pressure that the product will hold constant bubble tight seal.

** Settled pressure of a compressed gas at a uniform reference temperature of 15°C in a full pressure receptacle for which the valve is intended.

*** Minimum pressure applied to the valve during testing

^ The temperature's and cycles stated depend on the system conditions and may not be achievable in all situations. Contact Oasis for further information.

^^ Maximum opening torque at maximum operating pressure.

^^^ TPED-certified to 65 °C, evaluated by Oasis to 85 °C, which exceeds certification scope and must be verified by the system designer. Contact Oasis for further information.

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

Oasis Engineering Ltd. 129 Birch Ave, Tauranga, 3110, New Zealand, Ph +64 7 9283808, info@oasisngv.com, www.oasisngv.com

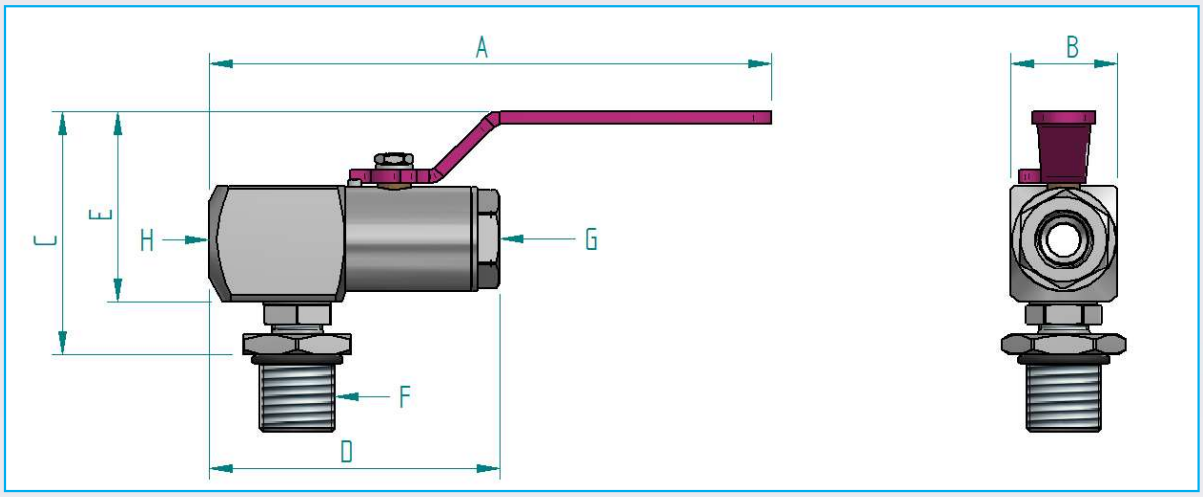
4525 © Oasis Engineering Limited

Oasis / MEMBER OF THE ELAFLEX GROUP

Scan here for a digital version of this document.

900 Series TPED Cylinder Valves

Product Dimensions - NPT & SAE



Dimensions - Inch (mm)

Part Code	A	B	C	D	E
TH904 (All NPT & SAE)	8.5” (215mm)	1.6” (41mm)	3.7” (93mm)	4.3” (110mm)	2.9” (73mm)

Connection Specifications

Part Code	F (CYLINDER) MALE THREAD	G (END CAP) FEMALE THREAD	H (PRD/LIVE PORT) FEMALE THREAD	PRD TYPE
TH904-63B82T0-G000	25E (W28.8)	NPT (1/2”)	9/16-18 SAE	CUSTOMER SUPPLIED REMOTE PRD
TH904-63B92T0-G000	UNF18 (1 1/8-12 UNF)	NPT (1/2”)	9/16-18 SAE	
TH904-62B82T0-G000	25E (W28.8)	3/4-16 SAE	9/16-18 SAE	
TH904-62B92T0-G000	UNF18 (1 1/8-12 UNF)	3/4-16 SAE	9/16-18 SAE	
TH904-62B98T0-G000	UNF18 (1 1/8-12 UNF)	3/4-16 SAE	3/8 MP	

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

Oasis Engineering Ltd. 129 Birch Ave, Tauranga, 3110, New Zealand, Ph +64 7 9283808, info@oasisngv.com, www.oasisngv.com

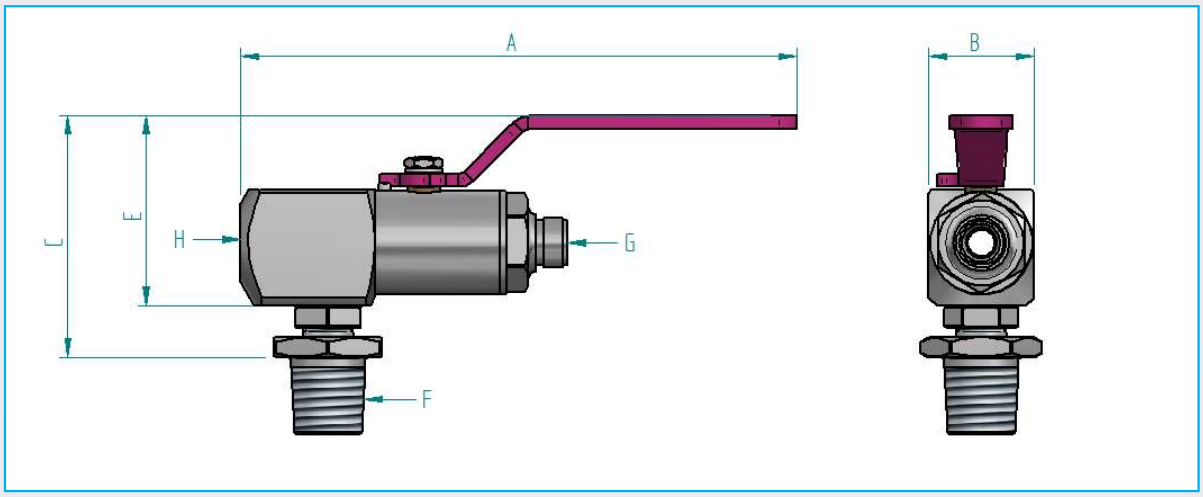
4525 © Oasis Engineering Limited

Oasis / MEMBER OF THE ELAFLEX GROUP

Scan here for a digital version of this document.

900 Series TPED Cylinder Valves

Product Dimensions - Tube



Dimensions - Inch (mm)

Part Code	A	B	C	D	E
TH904-67B82T0-G000	8.4” (214mm)	1.6” (41mm)	3.7” (93mm)	5.4” (138mm)	2.9” (73mm)
TH904-67B92T0-G000					
TH904-68B82T0-G000					
TH904-68B92T0-G000					

Connection Specifications

Part Code	F (CYLINDER) MALE THREAD	G (END CAP) MALE THREAD	H (PRD/LIVE PORT) FEMALE THREAD	PRD TYPE
TH904-67B82T0-G000	25E (W28.8)	12mm TUBE	9/16-18 SAE	CUSTOMER SUPPLIED REMOTE PRD
TH904-67B92T0-G000	UNF18 (1 1/8-12 UNF)			
TH904-68B82T0-G000	25E (W28.8)	16mm TUBE		
TH904-68B92T0-G000	UNF18 (1 1/8-12 UNF)			

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

Oasis Engineering Ltd. 129 Birch Ave, Tauranga, 3110, New Zealand, Ph +64 7 9283808, info@oasisngv.com, www.oasisngv.com

4525 © Oasis Engineering Limited