

4"(Ø164 mm) Technical information

Tank unit / Adapter and Hose unit / Coupler



According to NATO STANAG 3756

Material	Maximum working pressure	Test pressure	Minimum Burs Pressure
Aluminium	10 bar / 145 psi	15 bar / 218 psi	50 bar / 726 psi
Brass/Gun Metal	16 bar / 232 psi	24 bar / 348 psi	80 bar / 1160 psi
Stainless Steel	25 bar / 363 psi	37,5 bar / 544 psi	125 bar / 1813 psi

Connections

4" in BSP, NPT and Flanged inlet

Applications

The 4" (Ø164 mm) is recommended loading/unloading of rail tanker, aviation refueller, road tanker etc. Also recommended for ship to shore transfer, ship to ship transfer and ship to rig transfer or on any application where spillage needs to be minimized.

Media

Petroleum products: Gasoline, diesel, oil etc.

Chemical products: Ethylene Oxide, Propylene Oxide, Acrylonitrile, Butadiene, Ammonia, Vinyl Chloride, Toluene, Xylene, Sulphuric Acid, Phenol etc.

Gas:

Dry powder: Chokolade powder e.t.c.

Material

Aluminium, Brass/Gunmetal, Stainless Steel, Hastelloy and PEEK. Other materials on request.

Seals

Standard seals in FPM (Viton®), EPDM, Chemraz®, Kalrez®, NBR (Nitrile). Other materials on request.

High Flow Rates / Low Pressure Drop

Allows maximum product transfer with minimal losses

Recommended Maximum Flow Rates

3500 litres/minute (fuel)

Selectivity

- Avoid mixing products:

To avoid product contamination caused by connecting a hose unit to the wrong tank unit, selective versions of the hose and tank units are available. Each unit has a number of selective positions, designated by a coded part number according to the coupling size - specify when placing order.

Interchangeability:

Compatibility with other existing brands, e.g. TODO-matic and Fulcrum couplings.

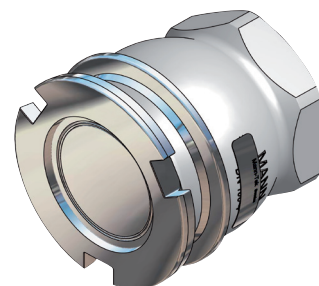
Hose unit with Integrated Swivel

All hose units are designed with integrated Swivel

4" (Ø164 mm) Tank unit / Adapter - Female thread

According to NATO STANAG 3756

Connection ¹⁾ Inch/DN	Material ²⁾	Seal ³⁾		Weight		Code No
		O-ring	Flat seal	kg	lbs	
F 4" BSP	AI	Standard: FPM/FKM (Viton®)	PUR (Vulkollan®)	2,5		T516A1101B
F 4" NPT				2,8		T517A1101
F 4" BSP	GM		PUR (Vulkollan®)	7,0		T516D2201B
F 4" NPT			Other on request		7,7	
F 4" BSP	SS		PTFE (Teflon®)	6,0		T516B4401A
F 4" NPT					6,4	



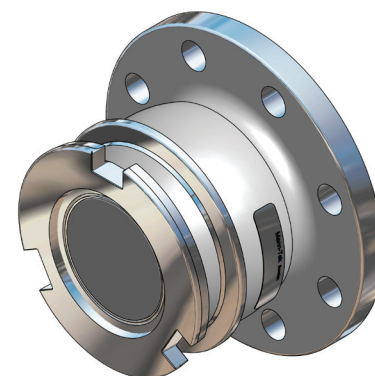
- 1) Female thread BSP=ISO 228, NPT=ANSI B1.20.1
 2) **Mtrl:** AI=Aluminium, GM=Gun Metal, SS=Stainless Steel
 3) Standard seal. Other on request.

Viton® (FPM) and Teflon® (FPM/KPM) are registered trademarks of DuPont, DuPont Elastomers. Vulkollan® is registered trademark of Bayer AG

4" (Ø164 mm) Tank unit / Adapter, Flanged inlet

According to NATO STANAG 3756

Flange ¹⁾	Body Material ²⁾	Seal ³⁾		Weight		Code No		
		O-ring		kg	lbs			
undrilled Ø230 mm	AI	Standard: FPM/FKM (Viton®)		3,2		T521D1101		
DN 100 PN 10 / 16 Type B				3,1		T539D1101		
4" ANSI 150 psi				3,2		T563D1101		
TW3 (DN 100)				2,6		T566D1101		
4" TTMA				2,6		T568D1101		
undrilled Ø230 mm	GM						T521D2201	
DN 100 PN 10 / 16 Type B							T539D2201	
DN 100 PN 25 / 40 Type B							T540D2201	
4" ANSI 150 psi							T563D2201	
4" ANSI 300 psi							T564D2201	
TW3 (DN 100)							T566D2201	
4" TTMA							T568D2201	
undrilled Ø230 mm			SS	Other on request				T521B4401
undrilled Ø230 mm **)								T521B4401F
DN 100 PN 10 / 16 Type B				8,7			T539B4401	
DN 100 PN 10 / 16 Type B **)						T539B4401F		
DN 100 PN 25 / 40 Type B						T540B4401		
DN 100 PN 25 / 40 Type B **)						T540B4401F		
DN 100 PN 25 / 40 Type E						T538B4401F		
4" ANSI 150 psi						T563B4401		
4" ANSI 150 psi**)		8,9				T563B4401F		
4" ANSI 300 psi						T564B4401		
4" ANSI 300 psi **)		12				T564B4401F		
TW3 (DN 100)						T566B4401		
4" TTMA						T568B4401		



- *) Type E, EN 1092-1:2001 Spigot
 **) Flange with standard thickness

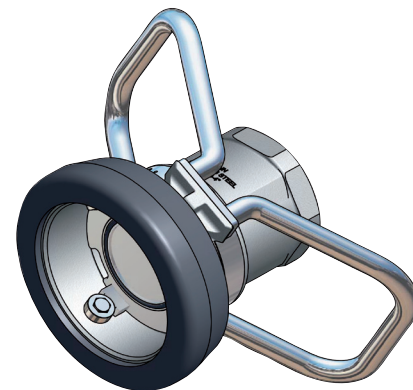
- 1) Flanges according to EN 1092, ANSI B16.5 and DIN 28459.
 2) **Mtrl:** AI=Aluminium, GM=Gun Metal, SS=Stainless Steel
 3) Standard seal. Other on request.

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4" (Ø164 mm) Hose unit / Coupler - Female thread

According to NATO STANAG 3756

Connection ¹⁾ Inch/DN	Body Material ²⁾	Seal ³⁾		Weight		Code No
		O-ring	Flat seal	kg	lbs	
F 4 BSP	AI	Standard: FPM/FKM (Viton®)	PUR (Vulkollan®)	7,6		S516B1101B
F 4" ASSPT						S5136B1101B
F 4" NPT			7,9		S517B1101	
F 4" BSP	GM		PUR (Vulkollan®)	17,5		S516B2201B
F 4" ASSPT						S5136B2201B
F 4" NPT			17,7		S517B2201	
F 4" BSP	SS	Other on request	PTFE (Teflon®)	15,6		S516B4401A
F 4" ASSPT						S5136B4401A
F 4" NPT			15,9		S517B4401	



1) Female thread BSP=ISO 228, NPT=ANSI B1.20.3

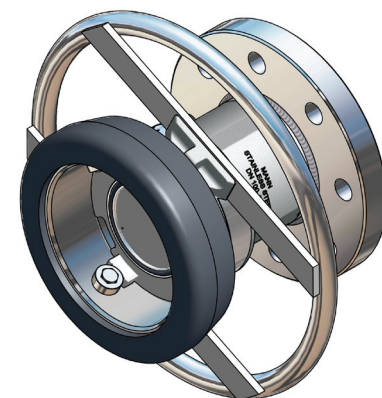
2) **Mtrl:** AI=Aluminium, GM=Gun Metal, SS=Stainless Steel

3) Standard seal. Other on request.

4" (Ø164 mm) Hose unit / Coupler, Flanged inlet

According to NATO STANAG 3756

Flange ¹⁾	Body Material ²⁾	Seal ³⁾		Weight		Code No				
		O-ring	Flat seal	kg	lbs					
undrilled Ø230 mm	AI	Standard: FPM/FKM (Viton®)				S521B1101				
DN 100 PN 10 / 16 Type B				9,3		S539B1101				
4" ANSI 150 psi				9,4		S563B1101				
4" TTMA				8,7		S568B1101				
TW3 (DN 100)				8,7		S566B1101				
undrilled Ø230 mm	GM			Other on request				S521B2201		
DN 100 PN 10 / 16 Type B								S539B2201		
DN 100 PN 25 / 40 Type B						23,9		S540B2201		
4" ANSI 150 psi								S563B2201		
4" ANSI 300 psi								S564B2201		
4" TTMA							S568B2201			
TW3 (DN 100)							S566B2201			
undrilled Ø230 mm	SS					Other on request				S521B4401
undrilled Ø230 mm **)										S521B4401F
DN 100 PN 10 / 16 Type B								16,1		S539B4401
DN 100 PN 10 / 16 Type B **)								S539B4401F		
DN 100 PN 25 / 40 Type B		16,1						S540B4401		
DN 100 PN 25 / 40 Type B **)								S540B4401F		
DN 100 PN 25 / 40 Type E								S538B4401F		
4" ANSI 150 psi		21,0						S563B4401		
4" ANSI 150 psi **)				S563B4401						
4" ANSI 300 psi				S564B4401						
4" ANSI 300 psi **)				S564B4401F						
4" TTMA				S568B4401						
TW3 (DN 100)				S566B4401						



*) Type E, EN 1092-1:2001 Spigot

**) Flange with standard thickness

1) Flanges according to EN 1092, ANSI B16.5 and DIN 28459

2) **Mtrl:** AI=Aluminium, GM=Gun Metal, SS=Stainless Steel

3) Standard seal. Other on request.

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