

6" (Ø 238 mm) Technical Information

Tank Unit (Adapter) and Hose Unit (Coupler)



Material	Maximum Working Pressure	Test Pressure	Minimum Burst Pressure
Aluminium	10 bar / 145 psi	15 bar / 218 psi	50 bar / 726 psi
Stainless Steel	16 bar / 232 psi	24 bar / 348 psi	80 bar / 1160 psi

Connections

6" in BSP, NPT and flanged inlet.

Applications

Recommended for marine bunkering, 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.
 Dry powder

Material of Body

Aluminium or stainless steel; other materials on request.

Seals

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

High Flow Rates / Low Pressure Drop

Allows maximum product transfer with minimal losses

Recommended Maximum Flow Rates

7500 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. See page 32 ff.

Interchangeability

Compatible with couplings of other manufacturers.

Hose Unit with Integrated Swivel

All hose units are supplied with an integrated swivel.

6" (Ø 238 mm) Tank Unit (Adapter) – Female Thread

Connection ¹⁾ Inch/DN	Body Material ²⁾	Seal		Weight ≈		Mann Tek Code No.
		O-Ring ³⁾	Thread Seal	kg	lbs	
F 6" BSP	Al	Standard: FPM/FKM (Viton®)	PUR	6,7	14.8	T6110B1101B
F 6" NPT			—	7,1	15.7	T6111B1101
F 6" BSP	SS		PTFE	15,7	34.6	T6110B4401A
F 6" NPT			—	17,6	38.8	T6111B4401



6" (Ø 238 mm) Tank Unit (Adapter) – Flanged Inlet

Flange ^{1B)}	Body Material ²⁾	Seal ³⁾	Weight ≈		Mann Tek Code No.	
		O-Ring	kg	lbs		
DN 150 PN 10/16 Type A	Al	Standard: FPM/FKM (Viton®)	8,6	19.0	T645B1101	
6" ASA 150			7,5	16.5	T6100B1101	
DN 150 PN 10/16 Type B	SS		Other on request.	22,4	49.4	T645B4401
6" ASA 150			22,4	49.4	T6100B4401	



6" (Ø 238 mm) Hose Unit (Coupler) – Female Thread

Connection ¹⁾ Inch/DN	Body Material ²⁾	Seal		Weight ≈		Mann Tek Code No.
		O-Ring ³⁾	Thread Seal	kg	lbs	
F 6" BSP	Al	Standard: FPM/FKM (Viton®)	PUR	22,3	49.2	S6110B1101B
F 6" NPT			—			S6111B1101
F 6" BSP	SS		PTFE			S6110B4401A
F 6" NPT			—	45,0	99.2	S6111B4401



6" (Ø 238 mm) Coupler – Flanged Inlet

Flange ^{1B)}	Body Material ²⁾	Seal ³⁾	Weight ≈		Mann Tek Code No.	
		O-Ring	kg	lbs		
DN 150 PN 10/16 Type A	Al	Standard: FPM/FKM (Viton®)			S645B1101	
6" ASA 150			25,9	57.1	S6100B1101	
DN 150 PN 10/16 Type B	SS		Other on request.			S645B4401
6" ASA 150			49,5	109.1	S6100B4401	



^{1A)} F = Female thread, BSP = EN ISO 228, NPT = ANSI B1.20.1

^{1B)} PN 10/16/25/40 = EN 1092 (types see page 44), ASA 150 = ANSI B16.5, 150 psi

²⁾ Material: Al = Aluminium, SS = Stainless Steel

³⁾ Standard seal FPM/FKM. Alternative materials, e. g. EPDM, Chemraz®, Kalrez®, NBR or HNBR on request

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