

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC



- Material:** Aluminium, brass, AISI 316, titanium, PEEK, PVDF/Hastelloy, Hastelloy, Duplex
- Seals:** O-ring: FPM (Viton), EPDM, Chemraz, Kalrez, NBR  
Flat seal: PTFE, FPM/FKM (Viton), PUR, Thermpac (HBD)  
Other materials on request
- Connections:** BSP, NPT thread  
ANSI 150, 300, PN EN 1092-1 flange
- Working temp.:** From -25°C up to +80°C

The acceptable working temperature ranges from -54°C up to +250°C, but as it depends on the medium, confirm the working temperature of each application with Technical Department of TUBES INTERNATIONAL®.

### Operation

A hose unit (coupler) and a tank unit (adapter) of DDC type (Dry Disconnect Coupling) are both equipped with piston valves which can be opened only after the coupling is connected and closed before it is disconnected. It prevents spillage. The head of the hose unit is rotary (360°). To allow fluid flow, both units must be coupled by rotating the head of the hose unit about 100° clockwise. To stop the fluid flow, turn the head of the hose unit anticlockwise so the valves close and the coupling disconnects. A coded version of the coupling is also available. It prevents connecting the hose unit to the wrong tank unit, conveying other fluid. They are coded using slots of special dimension on the hose unit which mate only with pins on the corresponding tank unit.

### Application

DDC couplings are widely used in road, rail, water and air transport, in petrochemical, chemical and pharmaceutical industry. They meet all requirements for safe, reliable and environment friendly transfer of hazardous, toxic or valuable products.

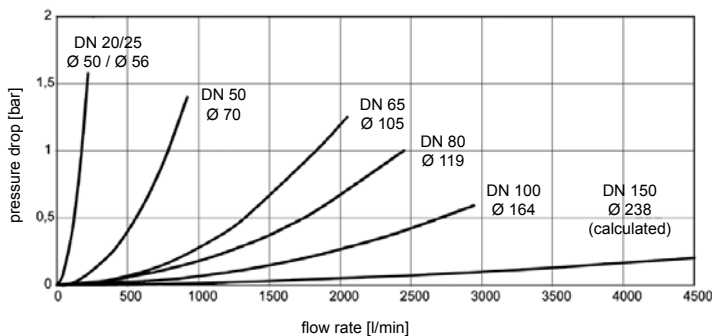
### Standards

Manufactured according to NATO STANAG 3756 (DDC 2", 2.1/2", 3" and 4") and ATOFINA SGM 2049.TUY.C.(DDC 2", 3"). Meet the requirements of ATEX, TDT, ADR, RID, IMDG, Pressure Equipment Directive 97/23/WE. Approved by the European Chemical Industry Council - CEFIC.

### Flow rate, maximum spillage at disconnection

size [inch]	1	2	2.1/2	3	4	6	8	
DN [mm]	25	50	65	80	100	150	200	
tank unit diameter [mm]	56	70	105	119	164	238	272	
max. flow rate [l/min]	200	900	1500	2000	3500	6000	8000	
max. spillage [ml]	0.5	0.5	1.1	1.33	2.2	-	-	

### Pressure drop vs. flow rate





Test parameters:

Medium: n-paraffin  
Temperature: +20°C  
Density: 0.75 kg/dm<sup>3</sup>  
Viscosity: 1.75 mm<sup>2</sup>/s  
Stanag 3756. annex E

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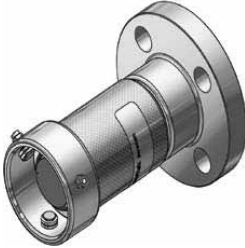

Tank unit- size 1" (Ø 56)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]			
					O-ring	thread				
	MK-DDC-T101A1101B	3/4" BSP	16	aluminium	FPM/ FKM	-	-			
	MK-DDC-T103A1101B	1" BSP								
	MK-DDC-T105A1101B	1.1/4" BSP								
	MK-DDC-T101A2201B	3/4" BSP		brass						
	MK-DDC-T103A2201B	1" BSP								
	MK-DDC-T105A2201B	1.1/4" BSP								
	MK-DDC-T101A4401A	3/4" BSP	25	AISI 316	FPM/ FKM	-	-			
	MK-DDC-T103A4401A	1" BSP								
	MK-DDC-T105A4401A	1.1/4" BSP								
	MK-DDC-T101A7701A	3/4" BSP		Hastelloy						
	MK-DDC-T103A7701A	1" BSP								
	MK-DDC-T105A7701A	1.1/4" BSP								
	MK-DDC-T101A9901A	3/4" BSP	6	PEEK	FPM/ FKM	-	-			
	MK-DDC-T103A9901A	1" BSP								
	MK-DDC-T105A9901A	1.1/4" BSP								
	MK-DDC-T169A1101	3/4" BSP	16	aluminium				FPM/ FKM	-	-
	MK-DDC-T171A1101	1" BSP								
	MK-DDC-T169A2201	3/4" BSP		brass						
	MK-DDC-T171A2201	1" BSP								
	MK-DDC-T169A4401	3/4" BSP	25		AISI 316					
	MK-DDC-T171A4401	1" BSP								
	MK-DDC-T123A1101	DN25 PN10/16	16	aluminium	FPM/ FKM	-	1.10			
	MK-DDC-T124A1101	DN25 PN25/40								
	MK-DDC-T151A1101	1" ASA 150								
	MK-DDC-T152A1101	1" ASA 300		brass						
	MK-DDC-T123A2201	DN25 PN10/16								
	MK-DDC-T124A2201	DN25 PN25/40								
	MK-DDC-T151A2201	1" ASA 150	25	AISI 316			-	1.60		
	MK-DDC-T152A2201	1" ASA 300								
	MK-DDC-T123A4401	DN25 PN10/16								
	MK-DDC-T124A4401	DN25 PN25/40		Hastelloy						
	MK-DDC-T151A4401	1" ASA 150								
	MK-DDC-T152A4401	1" ASA 300								
	MK-DDC-T123A7701	DN25 PN10/16	6	PEEK			-	1.70		
	MK-DDC-T124A7701	DN25 PN25/40								
	MK-DDC-T151A7701	1" ASA 150								
	MK-DDC-T152A7701	1" ASA 300								
	MK-DDC-T123A9901	DN25 PN10/16		-						
	MK-DDC-T124A9901	DN25 PN25/40								
MK-DDC-T151A9901	1" ASA 150									
MK-DDC-T152A9901	1" ASA 300									
	MK-DDC-C100A2201	-	-	composite	FPM/ FKM	-	0.13			
	MK-DDC-C100A1101	-	-	aluminium			0.22			
	MK-DDC-C100A4401	-	-	AISI 316			0.59			
Repair kit set of O-rings	MK-DDC-O-T1-01	-	-	FPM/FKM	-	-	-			
Repair kit flat seal	MK-1498-09	3/4" BSP	-	PUR	-	-	0.001			
	MK-1498-06			PTFE						
	MK-1220-09	1" BSP		PUR			0.002			
	MK-1220-06			PTFE						
	MK-1536-09	1.1/4" BSP		PUR			0.001			
	MK-1536-06			PTFE			0.003			
Set of spare parts	MK-DDC-S-T1-11	-	16	aluminium	-	-	-			
	MK-DDC-S-T1-22			brass						
	MK-DDC-S-T1-44		25	AISI 316						

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Hose unit - size 1" (Ø 56)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]			
					O-ring	thread				
	MK-DDC-S101A1101B	3/4" BSP	16	aluminium	FPM/ FKM	-	PUR	0.50		
	MK-DDC-S103A1101B	1" BSP								
	MK-DDC-S105A1101B	1.1/4" BSP								
	MK-DDC-S101A2201B	3/4" BSP		brass				PTFE	1.40	
	MK-DDC-S103A2201B	1" BSP								
	MK-DDC-S105A2201B	1.1/4" BSP								
	MK-DDC-S101A4401A	3/4" BSP	25	AISI 316	FPM/ FKM	-	1.30			
	MK-DDC-S103A4401A	1" BSP								
	MK-DDC-S105A4401A	1.1/4" BSP								
	MK-DDC-S101A7701A	3/4" BSP		Hastelloy			PTFE	1.50		
	MK-DDC-S103A7701A	1" BSP								
	MK-DDC-S105A7701A	1.1/4" BSP								
	MK-DDC-S101A9901A	3/4" BSP	6	PEEK	-	-	0.30			
	MK-DDC-S103A9901A	1" BSP								
MK-DDC-S105A9901A	1.1/4" BSP									
	MK-DDC-S123A1101	DN25 PN10/16	16	aluminium	FPM/ FKM	-	-	1.10		
	MK-DDC-S124A1101	DN25 PN25/40								
	MK-DDC-S151A1101	1" ASA 150								
	MK-DDC-S152A1101	1" ASA 300		brass				1.60		
	MK-DDC-S123A2201	DN25 PN10/16								
	MK-DDC-S124A2201	DN25 PN25/40								
	MK-DDC-S151A2201	1" ASA 150	25	AISI 316				FPM/ FKM	-	2.20
	MK-DDC-S152A2201	1" ASA 300								
	MK-DDC-S123A4401	DN25 PN10/16								
	MK-DDC-S124A4401	DN25 PN25/40								
	MK-DDC-S151A4401	1" ASA 150		Hastelloy						2.50
	MK-DDC-S152A4401	1" ASA 300								
	MK-DDC-S123A7701	DN25 PN10/16								
	MK-DDC-S124A7701	DN25 PN25/40	6	PEEK				-	-	0.50
	MK-DDC-S151A7701	1" ASA 150								
	MK-DDC-S152A7701	1" ASA 300								
	MK-DDC-S123A9901	DN25 PN10/16								
	MK-DDC-S124A9901	DN25 PN25/40								
MK-DDC-S151A9901	1" ASA 150									
MK-DDC-S152A9901	1" ASA 300									
	MK-DDC-P100A2201			composite	FPM/ FKM	-	-	0.06		
	MK-DDC-P100A1101	-	-	aluminium				0.12		
	MK-DDC-P100A4401			AISI 316				0.32		
Repair kit flat seal	MK-DDC-O-S1-01	-	-	FPM/FKM	-	-	-			
Repair kit flat seal	MK-1498-09	3/4" BSP	-	PUR	-	-	-	0.001		
	MK-1498-06			PTFE						
	MK-1220-09	1" BSP		PUR				0.002		
	MK-1220-06			PTFE						
	MK-1536-09	1.1/4" BSP		PUR				0.001		
	MK-1536-06			PTFE					0.003	
Set of spare parts	MK-DDC-S-S1-11	-	16	aluminium	-	-	-	-		
	MK-DDC-S-S1-22			brass						
	MK-DDC-S-S1-44			AISI 316						

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC


Tank unit - size 2" (Ø 70)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]	
					O-ring	thread		
	MK-DDC-T207A1101B	1.1/2 BSP	16	aluminium	FPM/ FKM	PUR	-	
	MK-DDC-T210A1101B	2" BSP		brass				
	MK-DDC-T207A2201B	1.1/2 BSP						
	MK-DDC-T210A2201B	2" BSP						
	MK-DDC-T207A4401A	1.1/2 BSP	25	AISI 316	FPM/ FKM	PTFE		
	MK-DDC-T210A4401A	2" BSP		Hastelloy				
	MK-DDC-T207A7701A	1.1/2 BSP						
	MK-DDC-T210A7701A	2" BSP						
	MK-DDC-T207A9901A	1.1/2 BSP	6	PEEK				
MK-DDC-T210A9901A	2" BSP							
	MK-DDC-T278A1101	2" BSP	16	aluminium	FPM/ FKM	-	-	
	MK-DDC-T278A2201	2" BSP		brass				
	MK-DDC-T278A4401	2" BSP	25	AISI 316				
	MK-DDC-T227B1101	DN40 PN10/16	16	aluminium	FPM/ FKM	-	-	
	MK-DDC-T230B1101	DN50 PN10/16						
	MK-DDC-T255B1101	1.1/2" ASA 150						
	MK-DDC-T257B1101	2" ASA 150						brass
	MK-DDC-T227B2201	DN40 PN10/16						
	MK-DDC-T228B2201	DN40 PN25/40						
	MK-DDC-T255B2201	1.1/2" ASA 150						
	MK-DDC-T256B2201	1.1/2" ASA 300						
	MK-DDC-T230B2201	DN50 PN10/16						
	MK-DDC-T231B2201	DN50 PN25/40		25				AISI 316
	MK-DDC-T257B2201	2" ASA 150						
	MK-DDC-T258B2201	2" ASA 300						
	MK-DDC-T227B4401	DN40 PN10/16						
	MK-DDC-T228B4401	DN40 PN25/40						
	MK-DDC-T255B4401	1.1/2" ASA 150						
	MK-DDC-T256B4401	1.1/2" ASA 300	Hastelloy					
	MK-DDC-T230B4401	DN50 PN10/16						
	MK-DDC-T231B4401	DN50 PN25/40						
	MK-DDC-T257B4401	2" ASA 150						
	MK-DDC-T258B4401	2" ASA 300						
	MK-DDC-T227A7701	DN40 PN10/16						6
	MK-DDC-T228A7701	DN40 PN25/40						
	MK-DDC-T255A7701	1.1/2" ASA 150						
	MK-DDC-T256A7701	1.1/2" ASA 300						
	MK-DDC-T230A7701	DN50 PN10/16						
	MK-DDC-T231A7701	DN50 PN25/40						
	MK-DDC-T257A7701	2" ASA 150						
	MK-DDC-T258A7701	2" ASA 300						
	MK-DDC-T227A9901	DN40 PN10/16						
	MK-DDC-T255A9901	1.1/2" ASA 150						
	MK-DDC-T230A9901	DN50 PN10/16						
	MK-DDC-T257A9901	2" ASA 150						




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### Tank unit - size 2" (Ø 70)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-C200E2202	-	-	composite	NBR	-	-
	MK-DDC-C200A1101			aluminium	FPM/FKM		
	MK-DDC-C200B4401			AISI 316			
	MK-DDC-C200D1300			NBR/PVC			
Repair kit set of O-rings	MK-DDC-O-T2-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1196-09	1.1/2" BSP	-	PUR	-	-	0.002
	MK-1196-06			PTFE			0.003
	MK-1052-09	2" BSP		PUR			0.004
	MK-1052-06			PTFE			
Set of spare parts	MK-DDC-S-T2-11	-	16	aluminium	-	-	-
	MK-DDC-S-T2-22		brass				
	MK-DDC-S-T2-44		25	AISI 316			



### Hose unit - size 2" (Ø 70)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]	
					O-ring	thread		
	MK-DDC-S207A1101B	1.1/2" BSP	16	aluminium	FPM/FKM	PUR	-	
	MK-DDC-S210A1101B	2" BSP						
	MK-DDC-S207A2201B	1.1/2" BSP		brass				
	MK-DDC-S210A2201B	2" BSP	25	AISI 316		PTFE		
	MK-DDC-S207A4401A	1.1/2" BSP						
	MK-DDC-S210A4401A	2" BSP		Hastelloy				
	MK-DDC-S207A7701A	1.1/2" BSP	6	PEEK				
	MK-DDC-S210A7701A	2" BSP						
	MK-DDC-S207A9901A	1.1/2" BSP						
MK-DDC-S210A9901A	2" BSP							
	MK-DDC-S278A1101	2" BSP	16	aluminium	FPM/FKM	-	-	
	MK-DDC-S278A2201	2" BSP		brass				
	MK-DDC-S278A4401	2" BSP	25	AISI 316				
	MK-DDC-S227A1101	DN40 PN10/16	16	aluminium	FPM/FKM	-	-	
	MK-DDC-S230A1101	DN50 PN10/16						
	MK-DDC-S255A1101	1.1/2" ASA 150						
	MK-DDC-S256A1101	1.1/2" ASA 300						
	MK-DDC-S227A2201	DN40 PN10/16						
	MK-DDC-S228A2201	DN40 PN25/40						
	MK-DDC-S255A2201	1.1/2" ASA 150						
	MK-DDC-S256A2201	1.1/2" ASA 300						
	MK-DDC-S230A2201	DN50 PN10/16		25				AISI 316
	MK-DDC-S231A2201	DN50 PN25/40						
	MK-DDC-S257A2201	2" ASA 150						
	MK-DDC-S258A2201	2" ASA 300						
	MK-DDC-S227A4401	DN40 PN10/16						
	MK-DDC-S228A4401	DN40 PN25/40						
	MK-DDC-S255A4401	1.1/2" ASA 150						
	MK-DDC-S256A4401	1.1/2" ASA 300						
	MK-DDC-S230A4401	DN50 PN10/16						
MK-DDC-S231A4401	DN50 PN25/40							
MK-DDC-S257A4401	2" ASA 150							
MK-DDC-S258A4401	2" ASA 300							




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

Hose unit - size 2" (Ø 70)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-S227A7701	DN40 PN10/16	25	Hastelloy	FPM/ FKM	-	-
	MK-DDC-S228A7701	DN40 PN25/40					
	MK-DDC-S255A7701	1.1/2" ASA 150					
	MK-DDC-S256A7701	1.1/2" ASA 300					
	MK-DDC-S230A7701	DN50 PN10/16					
	MK-DDC-S231A7701	DN50 PN25/40					
	MK-DDC-S257A7701	2" ASA 150					
	MK-DDC-S258A7701	2" ASA 300					
	MK-DDC-S227A9901	DN40 PN10/16	6	PEEK	-	-	
	MK-DDC-S255A9901	1.1/2" ASA 150					
	MK-DDC-S230A9901	DN50 PN10/16					
MK-DDC-S257A9901	2" ASA 150						
	MK-DDC-P200A2201	-	-	composite	FPM/ FKM	-	-
	MK-DDC-P200A1101			aluminium			
	MK-DDC-P200A4401			AISI 316			
Repair kit set of O-rings	MK-DDC-O-S2-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1196-09	1.1/2 BSP	-	PUR	-	-	0.002
	MK-1196-06			PTFE			0.003
	MK-1052-09	2" BSP		PUR			0.004
	MK-1052-06			PTFE			0.004
Set of spare parts	MK-DDC-S-S2-11	-	16	aluminium	-	-	-
	MK-DDC-S-S2-22		brass				
	MK-DDC-S-S2-44		25	AISI 316			



Tank unit - size 2.1/2" (Ø 105)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T312D1101B	2.1/2" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-T314D1101B	3" BSP					
	MK-DDC-T312D2201B	2.1/2" BSP	16	bronze			
	MK-DDC-T314D2201B	3" BSP					
	MK-DDC-T312B4401A	2.1/2" BSP	25	AISI 316		PTFE	
	MK-DDC-T314B4401A	3" BSP					
	MK-DDC-T312A7701A	2.1/2" BSP					
	MK-DDC-T314A7701A	3" BSP	6	PEEK			
	MK-DDC-T312A9901A	2.1/2" BSP					
MK-DDC-T314A9901A	3" BSP						
	MK-DDC-T380A1101	2.1/2" BSP	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T382A1101	3" BSP					
	MK-DDC-T380A2201	2.1/2" BSP	16	brass			
	MK-DDC-T382A2201	3" BSP					
	MK-DDC-T380A4401	2.1/2" BSP	25	AISI 316			
	MK-DDC-T382A4401	3" BSP					
	MK-DDC-T333D1101	DN65 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T336D1101	DN80 PN10/16					
	MK-DDC-T359D1101	2.1/2" ASA 150					
	MK-DDC-T361D1101	3" ASA 150	16	bronze			
	MK-DDC-T333D2201	DN65 PN10/16					
	MK-DDC-T334D2201	DN65 PN25/40					
	MK-DDC-T336D2201	DN80 PN10/16					
	MK-DDC-T337D2201	DN80 PN25/40					
	MK-DDC-T359D2201	2.1/2" ASA 150					



# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

### Tank unit - size 2.1/2" (Ø 105)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T360D2201	2.1/2" ASA 300	16	bronze	FPM/ FKM	-	-
	MK-DDC-T361D2201	3" ASA 150					
	MK-DDC-T362D2201	3" ASA 300					
	MK-DDC-T367D2201	TTMA 3"					
	MK-DDC-T368D2201	TTMA 4"					
	MK-DDC-T333B4401	DN65 PN10/16	25	AISI 316			
	MK-DDC-T334B4401	DN65 PN25/40					
	MK-DDC-T336B4401	DN80 PN10/16					
	MK-DDC-T337B4401	DN80 PN25/40					
	MK-DDC-T359B4401	2.1/2" ASA 150					
	MK-DDC-T360B4401	2.1/2" ASA 300					
	MK-DDC-T361B4401	3" ASA 150					
	MK-DDC-T362B4401	3" ASA 300					
	MK-DDC-T367B4401	TTMA 3"					
MK-DDC-T368B4401	TTMA 4"						
	MK-DDC-C300E2202	-	-	composite	NBR	-	-
	MK-DDC-C300B1101			aluminium	FPM/ FKM		
	MK-DDC-C300B4401			AISI 316	FPM/ FKM		
Repair kit set of O-rings	MK-DDC-O-T3-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1181-09	2.1/2" BSP	-	PUR	-	-	0.005
	MK-1181-06			PTFE			0.006
	MK-1110-09	3" BSP		PUR			0.007
	MK-1110-06			PTFE			
Set of spare parts	MK-DDC-S-T3-11	-	10	aluminium	-	-	-
	MK-DDC-S-T3-22		16	brass			
	MK-DDC-S-T3-44		25	AISI 316			

### Hose unit - size 2.1/2" (Ø 105)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]	
					O-ring	thread		
	MK-DDC-S312B1101B	2.1/2" BSP	10	aluminium	FPM/ FKM	-	-	
	MK-DDC-S314B1101B	3" BSP						
	MK-DDC-S312B2201B	2.1/2" BSP	16	bronze				PUR
	MK-DDC-S314B2201B	3" BSP						
	MK-DDC-S312B4401A	2.1/2" BSP	25	AISI 316				PTFE
	MK-DDC-S314B4401A	3" BSP						
	MK-DDC-S312A7701A	2.1/2" BSP						
	MK-DDC-S314A7701A	3" BSP						
	MK-DDC-S312A9901A	2.1/2" BSP	6	PEEK				
	MK-DDC-S314A9901A	3" BSP						
	MK-DDC-P300A2201	-	-	composite	FPM/ FKM	-	-	
	MK-DDC-P300A1101			aluminium				
	MK-DDC-P300A4401			AISI 316				
Repair kit set of O-rings	MK-DDC-O-S3-01	-	-	FPM/FKM	-	-	-	
Repair kit flat seal	MK-1181-09	2.1/2" BSP	-	PUR	-	-	0.005	
	MK-1181-06			PTFE			0.006	
	MK-1110-09	3" BSP		PUR			0.007	
	MK-1110-06			PTFE				
Set of spare parts	MK-DDC-S-S3-11	-	10	aluminium	-	-	-	
	MK-DDC-S-S3-22		16	brass				
	MK-DDC-S-S3-44		25	AISI 316				

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

Tank unit - size 3" (Ø 119)




picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T414D1101B	3" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-T414D2201B	3" BSP	16	bronze			
	MK-DDC-T414B4401A	3" BSP	25	AISI 316		PTFE	3.06
	MK-DDC-T414A7701A	3" BSP		Hastelloy			-
	MK-DDC-T414A8701A	3" BSP		PVDF Hastelloy			
	MK-DDC-T414A9901A	3" BSP	6	PEEK			
	MK-DDC-T433D1101	DN65 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T436D1101	DN80 PN10/16					
	MK-DDC-T461D1101	3" ASA 150					
	MK-DDC-T467D1101	TTMA 3"					
	MK-DDC-T468D1101	TTMA 4"					
	MK-DDC-T433D2201	DN65 PN10/16	16	bronze			
	MK-DDC-T434D2201	DN65 PN25/40					
	MK-DDC-T436D2201	DN80 PN10/16					
	MK-DDC-T437D2201	DN80 PN25/40					
	MK-DDC-T461D2201	3" ASA 150					
	MK-DDC-T462D2201	3" ASA 300					
	MK-DDC-T467D2201	TTMA 3"					
	MK-DDC-T468D2201	TTMA 4"					
	MK-DDC-T433B4401	DN65 PN10/16	25	AISI 316			
	MK-DDC-T434B4401	DN65 PN25/40					
	MK-DDC-T436B4401	DN80 PN10/16					
	MK-DDC-T437B4401	DN80 PN25/40					
	MK-DDC-T461B4401	3" ASA 150					
	MK-DDC-T462B4401	3" ASA 300					
	MK-DDC-T467B4401	TTMA 3"					
	MK-DDC-T468B4401	TTMA 4"					
	MK-DDC-T436A9901	DN80 PN10/16	6	PEEK			
	MK-DDC-T461A9901	3" ASA 150					
MK-DDC-T467A9901	TTMA 3"						
MK-DDC-T468A9901	TTMA 4"						
	MK-DDC-C400E2202	-	-	composite	FPM/ FKM	-	-
	MK-DDC-C400A1101			aluminium			
	MK-DDC-C400B4401			AISI 316			
	MK-DDC-C400D1300			NBR/PVC			
Repair kit set of O-rings	MK-DDC-O-T4-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1110-09	3" BSP	-	PUR	-	-	0.006
	MK-1110-06			PTFE			0.007
Set of spare parts	MK-DDC-S-T4-11	-	10	aluminium	-	-	-
	MK-DDC-S-T4-22		16	brass			
	MK-DDC-S-T4-44		25	AISI 316			





# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

### Hose unit - size 3" (Ø 119)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-S414B1101B	3" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-S414B2201B	3" BSP	16	bronze			
	MK-DDC-S414B4401A	3" BSP	25	AISI 316		PTFE	8.65
	MK-DDC-S414A7701A	3" BSP		Hastelloy			
	MK-DDC-S414A8701A	3" BSP	PVDF/Hast.				
	MK-DDC-S414A9901A	3" BSP	6	PEEK			
	MK-DDC-S436B1101	DN80 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-S461B1101	3" ASA 150					
	MK-DDC-S467B1101	TTMA 3"					
	MK-DDC-S468B1101	TTMA 4"					
	MK-DDC-S436B2201	DN 80 PN10/16	16	bronze			
	MK-DDC-S437B2201	DN 80 PN25/40					
	MK-DDC-S461B2201	3" ASA 150					
	MK-DDC-S462B2201	3" ASA 300					
	MK-DDC-S467B2201	TTMA 3"	25	AISI 316			
	MK-DDC-S468B2201	TTMA 4"					
	MK-DDC-S436B4401	DN80 PN10/16					
	MK-DDC-S437B4401	DN80 PN25/40					
	MK-DDC-S461B4401	3" ASA 150	6	PEEK			
	MK-DDC-S462B4401	3" ASA 300					
	MK-DDC-S467B4401	TTMA 3"					
	MK-DDC-S468B4401	TTMA 4"					
MK-DDC-S436A9901	DN80 PN10/16						
MK-DDC-S461A9901	3" ASA 150						
	MK-DDC-P400A2201	-	-	composite	FPM/ FKM	-	-
	MK-DDC-P400A1101			aluminium			
	MK-DDC-P400A4401			AISI 316			
Repair kit set of O-rings	MK-DDC-O-S4-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1110-09	3" BSP	-	PUR	-	-	0.006
	MK-1110-06			PTFE			0.007
Set of spare parts	MK-DDC-S-S4-11	-	10	aluminium	-	-	-
	MK-DDC-S-S4-22		16	brass			
	MK-DDC-S-S4-44		25	AISI 316			


### Tank unit - size 4" (Ø 164)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T516A1101B	4" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-T516D2201B	4" BSP	16	bronze			
	MK-DDC-T516B4401A	4" BSP	25	AISI 316		PTFE	
	MK-DDC-T539D1101	DN100 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T563D1101	4" ASA 150					
	MK-DDC-T568D1101	TTMA 4"					
	MK-DDC-T539D2201	DN100 PN10/16					
	MK-DDC-T540D2201	DN100 PN25/40	16	bronze			
	MK-DDC-T563D2201	4" ASA 150					
	MK-DDC-T564D2201	4" ASA 300					
	MK-DDC-T568D2201	TTMA 4"					
	MK-DDC-T539B4401	DN100 PN10/16	25	AISI 316			
	MK-DDC-T540B4401	DN100 PN25/40					
	MK-DDC-T563B4401	4" ASA 150					
	MK-DDC-T564B4401	4" ASA 300					
MK-DDC-T568B4401	TTMA 4"						

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

### Tank unit - size 4" (Ø 164)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-C500E2202	-	-	composite	NBR	-	-
	MK-DDC-C500B1101			aluminium	FPM/FKM		
	MK-DDC-C500C4401			AISI 316	FPM/FKM		
Repair kit set of O-rings	MK-DDC-O-T5-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1295-09	4" BSP	-	PUR	-	-	0.010
	MK-1295-06			PTFE	-	-	0.009
Set of spare parts	MK-DDC-S-T5-11	-	10	aluminium	-	-	-
	MK-DDC-S-T5-22		16	brass			
	MK-DDC-S-T5-44		25	AISI 316			




### Hose unit - size 4" (Ø 164)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-S516B1101B	4" BSP	10	aluminium	FPM/FKM	PUR	-
	MK-DDC-S516B2201B	4" BSP	16	bronze			
	MK-DDC-S516B4401A	4" BSP	25	AISI 316			
	MK-DDC-S539B1101	DN100 PN10/16	10	aluminium	FPM/FKM	-	-
	MK-DDC-S563B1101	4" ASA 150					
	MK-DDC-S568B1101	TTMA 4"					
	MK-DDC-S539B2201	DN100 PN10/16	16	bronze			
	MK-DDC-S540B2201	DN100 PN25/40					
	MK-DDC-S563B2201	4" ASA 150					
	MK-DDC-S564B2201	4" ASA 300	25	AISI 316			
	MK-DDC-S568B2201	TTMA 4"					
	MK-DDC-S539B4401	DN100 PN10/16					
	MK-DDC-S540B4401	DN100 PN25/40	25	AISI 316			
	MK-DDC-S563B4401	4" ASA 150					
	MK-DDC-S564B4401	4" ASA 300					
MK-DDC-S568B4401	TTMA 4"						
	MK-DDC-P500B2201	-	-	composite	FPM/FKM	-	-
	MK-DDC-P500B1101			aluminium			
	MK-DDC-P500B4401			AISI 316			
Repair kit set of O-rings	MK-DDC-O-S5-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1295-09	4" BSP	-	PUR	-	-	0.010
	MK-1295-06			PTFE	-	-	0.009
Set of spare parts	MK-DDC-S-S5-11	-	10	aluminium	-	-	-
	MK-DDC-S-S5-22		16	brass			
	MK-DDC-S-S5-44		25	AISI 316			




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

### Tank unit - size 6" (Ø 238)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T6110B1101B	6" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-T6110B4401A	6" BSP	16	AISI 316		PTFE	
	MK-DDC-T645B1101	DN150 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T6100B1101	6" ASA 150					
	MK-DDC-T645B4401	DN150 PN10/16	16	AISI 316			
	MK-DDC-T6100B4401	6" ASA 150					
	MK-DDC-C600A1101	-	-	aluminium	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DDC-O-T6-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1963-09	6" BSP	-	PUR	-	-	0.016
	MK-1963-06			PTFE			
Set of spare parts	MK-DDC-S-T6-11	-	10	aluminium	-	-	-
	MK-DDC-S-T6-44		16	AISI 316			



### Hose unit - size 6" (Ø 238)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-S6110B1101B	6" BSP	10	aluminium	FPM/ FKM	PUR	-
	MK-DDC-S6110B4401A	6" BSP	16	AISI 316		PTFE	
	MK-DDC-S645B1101	DN150 PN10/16	10	aluminium	FPM/ FKM	-	-
	MK-DDC-S6100B1101	6" ASA 150					
	MK-DDC-S645B4401	DN150 PN10/16	16	AISI 316			
	MK-DDC-S6100B4401	6" ASA 150					
	MK-DDC-P600A1101	-	-	aluminium	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DDC-O-S6-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1963-09	6" BSP	-	PUR	-	-	0.016
	MK-1963-06			PTFE			
Set of spare parts	MK-DDC-S-S6-11	-	10	aluminium	-	-	-
	MK-DDC-S-S6-44		16	AISI 316			



# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DDC

### Tank unit - size 8" (Ø 272)

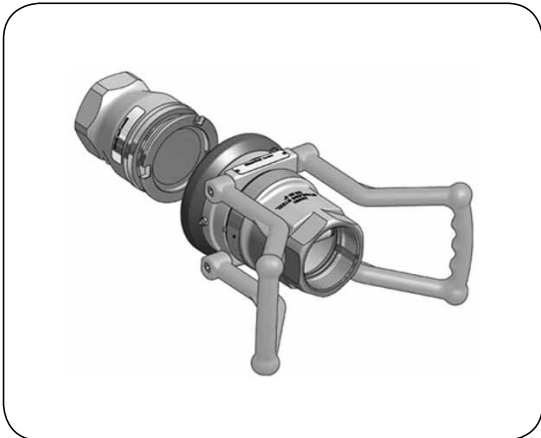
picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-T8102A1101	DN200 PN10	10	aluminium	FPM/ FKM	-	-
	MK-DDC-T8103A1101	DN200 PN16					
	MK-DDC-T8105A1101	8" ASA 150					
	MK-DDC-T8102A4401	DN200 PN10	16	AISI 316			
	MK-DDC-T8103A4401	DN200 PN16					
	MK-DDC-T8105A4401	8" ASA 150					
	MK-DDC-C800A1101	-	-	aluminium	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DDC-O-T8-01	-	-	FPM/FKM	-	-	-
Set of spare parts	MK-DDC-S-T8-11	-	10	aluminium	-	-	-
	MK-DDC-S-T8-44		16	AISI 316			

### Hose unit - size 8" (Ø 272)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DDC-S8102A1101	DN200 PN10	10	aluminium	FPM/ FKM	-	-
	MK-DDC-S8103A1101	DN200 PN16					
	MK-DDC-S8105A1101	8" ASA 150					
	MK-DDC-S8102A4401	DN200 PN10	16	AISI 316			
	MK-DDC-S8103A4401	DN200 PN16					
	MK-DDC-S8105A4401	8" ASA 150					
	MK-DDC-P800A1101	-	-	aluminium	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DDC-O-S8-01	-	-	FPM/FKM	-	-	-
Set of spare parts	MK-DDC-S-S8-11	-	10	aluminium	-	-	-
	MK-DDC-S-S8-44		16	AISI 316			

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DGC



**Material:** AISI 316  
(bronze / brass version available)

**Seals:** O-ring: FPM (Viton), NBR  
Flat seal: PTFE  
(other materials on request)

**Connections:** BSP, NPT thread; DIN, ASA flanges  
(ACME, Whitworth thread available).

**Working temp.:** From -20°C up to +80°C

The acceptable working temperature ranges from -50°C up to +200°C, but as it depends on the medium, confirm the working temperature of each application with Technical Department of TUBES INTERNATIONAL®.

### Operation

A hose unit (coupler) and a tank unit (adapter) of DGC type (Dry Gas Coupling) are both equipped with piston valves which can be opened only after the coupling is connected and closed before it is disconnected. It prevents spillage. The head of the hose unit is rotary (360°). To allow medium flow both units must be coupled by rotating the head of the hose unit about 100° clockwise. During rotation the coupling locks, the valve of the hose unit slides towards the tank unit and the medium starts to flow. To stop the flow, turn the head of the hose unit anticlockwise so the valves close and the coupling disconnects.

### Application

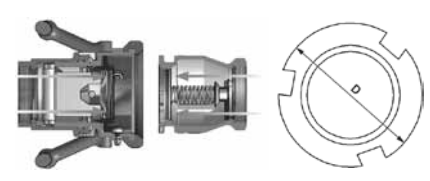
Dry disconnect couplings of DGC type (Dry Gas Couplings) are designed for gas transfer, LPG in particular. They are widely used in road, rail, water and air transport, in petrochemical, chemical and pharmaceutical industry. They meet all requirements for safe, reliable and environment friendly transfer of hazardous, toxic or valuable fluids.

### Standards

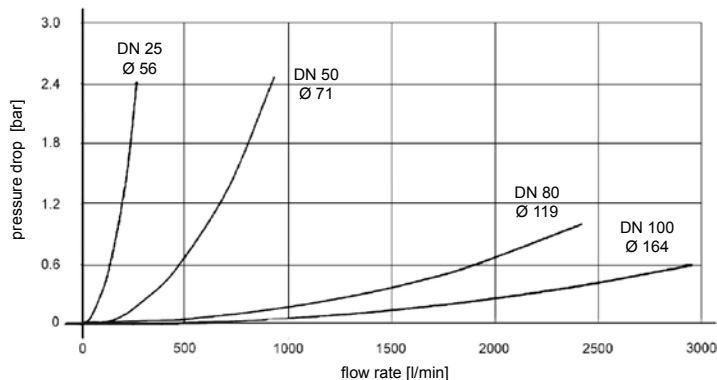
Meet the requirements of ATEX, TDT, ADR, RID, IMDG, Pressure Equipment Directive 97/23/EC (PED).

### Flow rate, maximum spillage at disconnection

size [inch]	1	2	3	4
DN [mm]	25	50	80	100
plug diameter [mm]	56	71	119	164
max. spillage [ml]	0.2	0.3	0.7	1.6



### Pressure drop vs. flow rate






### Test parameters:

Medium: n-paraffin  
Temperature: +20°C  
Density: 0.75 kg/dm<sup>3</sup>  
Viscosity: 1.75 mm<sup>2</sup>/s  
Stanag 3756. annex E




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DGC

### Tank unit - size 1" (Ø 56)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-L101A4401A	3/4" BSP	25	AISI 316	FPM/ FKM	PTFE	0.70
	MK-DGC-L102A4401	3/4" NPT				-	0.80
	MK-DGC-L103A4401A	1" BSP				PTFE	0.70
	MK-DGC-L104A4401	1" NPT				-	0.80
	MK-DGC-L105A4401A	1.1/4" BSP				PTFE	0.70
	MK-DGC-L106A4401	1.1/4" NPT				-	0.80
	MK-DGC-L150A4401	3/4" ASA 300	25	AISI 316	FPM/ FKM	-	1.30
	MK-DGC-L124A4401	DN25 PN25/40					1.40
	MK-DGC-L152A4401	1" ASA 300					1.50
	MK-DGC-L126A4401	DN32 PN25/40					
	MK-DGC-L154A4401	1.1/4" ASA 300					
	MK-DGC-CG100A2201	-	-	composite	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DGC-O-L1-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1498-06	3/4"	-	PTFE	-	-	0.001
	MK-1220-06	1"	-				0.002
Set of spare parts	MK-DGC-S-L1-44	-	25	AISI 316	-	-	-




### Hose unit - size 1" (Ø 56)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-M101A4401A	3/4" BSP	25	AISI 316	FPM/ FKM	PTFE	0.70
	MK-DGC-M102A4401	3/4" NPT				-	0.80
	MK-DGC-M103A4401A	1" BSP				PTFE	0.70
	MK-DGC-M104A4401	1" NPT				-	0.80
	MK-DGC-M105A4401A	1.1/4" BSP				PTFE	0.70
	MK-DGC-M106A4401	1.1/4" NPT				-	0.80
	MK-DGC-M150A4401	3/4" ASA 300	25	AISI 316	FPM/ FKM	-	
	MK-DGC-M124A4401	DN25 PN25/40					
	MK-DGC-M152A4401	1" ASA 300					
	MK-DGC-M126A4401	DN32 PN25/40					
	MK-DGC-M154A4401	1.1/4" ASA 300					
	MK-DGC-V100A2201	-	-	composite	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DGC-O-M1-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1498-06	3/4"	-	PTFE	-	-	0.001
	MK-1220-06	1"	-				0.002
Set of spare parts	MK-DGC-S-M1-44	-	25	AISI 316	-	-	-




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DGC

### Tank unit - size 2" (Ø 71)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-L207A4401A	1.1/2" BSP	25	AISI 316	FPM/ FKM	PTFE	1.50
	MK-DGC-L208A4401	1.1/2" NPT				-	1.60
	MK-DGC-L210A4401A	2" BSP				PTFE	1.20
	MK-DGC-L211A4401	2" NPT				-	1.30
	MK-DGC-L228A4401	DN40 PN25/40	25	AISI 316	FPM/ FKM	-	2.80
	MK-DGC-L256A4401	1.1/2" ASA 300					3.20
	MK-DGC-L231A4401	DN50 PN25/40					3.50
	MK-DGC-L258A4401	2" ASA 300					
	MK-DGC-C200D1300	-	-	PVC/NBR	-	-	-
Repair kit set of O-rings	MK-DGC-O-L2-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1196-06	1.1/2	-	PTFE	-	-	0.003
	MK-1052-06	2					0.004
Set of spare parts	MK-DGC-S-L2-44		25	AISI 316	-	-	-




### Hose unit - size 2" (Ø 71)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-M207A4401A	1.1/2" BSP	25	AISI 316	FPM/ FKM	PTFE	3.10
	MK-DGC-M208A4401	1.1/2" NPT				-	3.20
	MK-DGC-M210A4401A	2" BSP				PTFE	2.90
	MK-DGC-M211A4401	2" NPT				-	3.00
	MK-DGC-M228A4401	DN40 PN25/40	25	AISI 316	FPM/ FKM	-	5.30
	MK-DGC-M256A4401	1.1/2" ASA 300					5.70
	MK-DGC-M231A4401	DN50 PN25/40					6.10
	MK-DGC-M258A4401	2" ASA 300					
	MK-DGC-V200A2201	-	-	composite	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DGC-O-M2-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1196-06	1.1/2	-	PTFE	-	-	0.003
	MK-1052-06	2					0.004
Set of spare parts	MK-DGC-S-M2-44		25	AISI 316	-	-	-




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DGC

### Tank unit - size 3" (Ø 119)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-L414B4401A	3" BSP	25	AISI 316	FPM/FKM	PTFE	3.00
	MK-DGC-L415B4401	3" NPT				-	
	MK-DGC-L434B4401	DN65 PN25/40	25	AISI 316	FPM/FKM	-	5.00
	MK-DGC-L460B4401	2.1/2" ASA 300					
	MK-DGC-L437B4401	DN80 PN25/40					5.50
	MK-DGC-L462B4401	3" ASA 300					
	MK-DGC-C400E2202	-	-	composite	NBR	-	-
Repair kit set of O-rings	MK-DGC-O-L4-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1110-06	3"	-	PTFE	-	-	0.006
Set of spare parts	MK-DGC-S-L4-44	-	25	AISI 316	-	-	-

### Hose unit- size 3" (Ø 119)




picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-M412B4401A	2.1/2" BSP	25	AISI 316	FPM/FKM	PTFE	8.80
	MK-DGC-M413B4401	2.1/2" NPT				-	9.10
	MK-DGC-M414B4401A	3" BSP				PTFE	8.10
	MK-DGC-M415B4401	3" NPT				-	8.40
	MK-DGC-M434B4401	DN65 PN25/40	25	AISI 316	FPM/FKM	-	12.60
	MK-DGC-M460B4401	2 1/2" ASA 300					13.30
	MK-DGC-M437B4401	DN80 PN25/40					13.20
	MK-DGC-M462B4401	3" ASA 300					15.10
	MK-DGC-V400A2201	-	-	composite	FPM/FKM	-	-
Repair kit set of O-rings	MK-DGC-O-M4-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1181-06	2.1/2"	-	PTFE	-	-	0.006
	MK-1110-06	3					0.007
Set of spare parts	MK-DGC-S-M4-44	-	25	AISI 316	-	-	-






# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DGC

### Tank unit - size 4" (Ø 164)

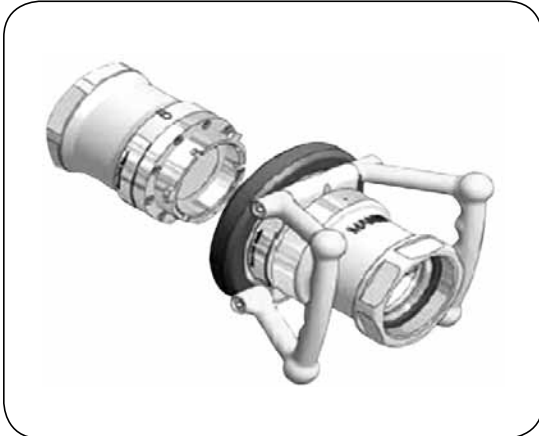
picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-L516B4401A	4" BSP	25	AISI 316	FPM/ FKM	PTFE	6.10
	MK-DGC-L517B4401	4" NPT				-	6.30
	MK-DGC-L540B4401	DN100 PN25/40	25	AISI 316	FPM/ FKM	-	9.30
	MK-DGC-L564B4401	4" ASA 300					
	MK-DGC-C500E2202	-	-	composite	NBR	-	-
Repair kit set of O-rings	MK-DGC-O-L5-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1295-06	4"	-	PTFE	-	-	0.009
Set of spare parts	MK-DGC-S-L5-44	-	25	AISI 316	-	-	-

### Hose unit - size 4" (Ø 164)

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DGC-M516B4401A	4" BSP	25	AISI 316	FPM/ FKM	PTFE	15.70
	MK-DGC-M517B4401	4" NPT				-	16.00
	MK-DGC-M540B4401	DN100 PN25/40	25	AISI 316	FPM/ FKM	-	20.80
	MK-DGC-M564B4401	4" ASA 300					24.30
	MK-DGC-P500B2201	-	-	composite	FPM/ FKM	-	-
Repair kit set of O-rings	MK-DGC-O-M5-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1295-06	4"	-	PTFE	-	-	0.009
Set of spare parts	MK-DGC-S-M5-44	-	25	AISI 316	-	-	-

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DAC



**Material:** Aluminium (AISI 316 version available).  
**Seals:** O-ring: FPM (Viton), NBR, for low working temperature, FQM  
Flat seal: PTFE.  
(other materials on request)  
**Connections:** BSP, NPT thread,  
DIN, ASA, TW and TTMA flanges.  
**Working temp.:** From -20°C up to +60°C

A wider working temperature range is acceptable, but as it depends on the medium, confirm the working temperature of each application with Technical Department of TUBES INTERNATIONAL®.

### Operation

A hose unit (coupler) and a tank unit (adapter) of DAC type (Dry Aviation Coupling) are both equipped with piston valves which can be opened only after the coupling is connected and closed before it is disconnected. It prevents spillage. The head of the hose unit is rotary (360°). To allow fluid flow both units must be coupled by rotating the head of the hose unit about 100° clockwise. During rotation the coupling locks, the valve of the hose unit slides towards the tank unit and the medium starts to flow. To stop fluid flow, turn the head of the hose unit anticlockwise so the valves close and the coupling disconnects.

### Application

DAC couplings are designed for jet fuel transfer. They are widely used in road and air transport. They meet all requirements for safe, reliable and environment friendly transfer of hazardous, toxic or valuable products. Not suitable for underwing refuelling. It can be mounted on a flexible hose assembly on the side of a tank truck or storage container.

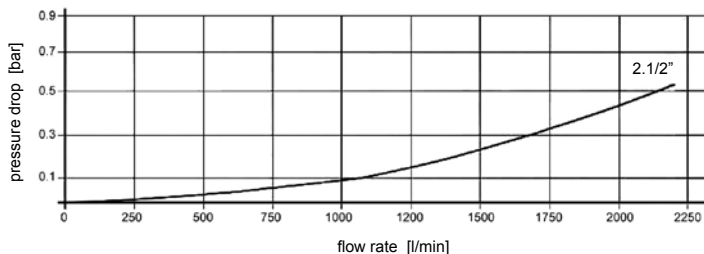
### Standards

Meet the requirements of ATEX, ADR, TDT, Pressure Equipment Directive 97/23/EC (PED). Compatible with aviation couplings according to NATO STANAG 3105. Manufactured according to ISO 45, MS24484, British Aerospace Spec. 2C14.

### Spillage

Once DAC 2.1/2" coupling is disconnected, the spillage amounts to 1.1 ml.

### Pressure drop vs. flow rate






Test parameters:

Medium: n-paraffin  
Temperature: +20°C  
Density: 0.75 kg/dm<sup>3</sup>  
Viscosity: 1.75 mm<sup>2</sup>/s  
Stanag 3756. annex E




# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DAC

### Tank unit- size 2.1/2"

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DAC-G312A1401B	2.1/2" BSP	10	aluminium	FPM/ FKM	PUR	2.30
	MK-DAC-G314A1401B	3" BSP					
	MK-DAC-G313A1401	2.1/2" NPT					
	MK-DAC-G315A1401	3" NPT					
	MK-DAC-G333D1401	DN65 PN10/16	10	aluminium	FPM/ FKM	-	2.80
	MK-DAC-G336D1401	DN80 PN10/16					3.00
	MK-DAC-G359D1401	2.1/2" ASA 150					2.70
	MK-DAC-G361D1401	3" ASA 150					2.90
	MK-DAC-G367D1401	3" TTMA					2.40
	MK-DAC-G368D1401	4" TTMA					2.60
	MK-DAC-G365D1401	TW 1 (DIN 28459)					2.50
	MK-DAC-G366D1401	TW 3 (DIN 28459)					2.90
	MK-DAC-K300A1101	-	-	aluminium	FPM/ FKM	-	0.50
	MK-DAC-K300A2201			composite			0.20
Repair kit set of O-rings	MK-DAC-O-G3-01	-	-	FPM/FKM	-	-	--
Repair kit flat seal	MK-1181-09	2.1/2" BSP	-	-	PUR	-	0.005
Set of spare parts	MK-DAC-S-G3-14	2.1/2"	10	aluminium	-	-	--

### Hose unit - size 2.1/2"

picture	code	connection	work. press. [bar]	material	seal		weight [kg]
					O-ring	thread	
	MK-DAC-F312B1101B	2.1/2" BSP	10	aluminium	FPM/ FKM	PUR	3.40
	MK-DAC-F314B1101B	3" BSP					3.50
	MK-DAC-F313B1101	2.1/2" NPT					3.40
	MK-DAC-F315B1101	3" NPT					3.50
	MK-DAC-F333B1101	DN65 PN10/16	10	aluminium	FPM/ FKM	-	
	MK-DAC-F336B1101	DN80 PN10/16					
	MK-DAC-F359B1101	2.1/2" ASA 150					
	MK-DAC-F361B1101	3" ASA 150					
	MK-DAC-F367B1101	3" TTMA					
	MK-DAC-F368B1101	4" TTMA					
	MK-DAC-F365B1101	TW 1 (DIN 28459)					
	MK-DAC-F366B1101	TW 3 (DIN 28459)					
	MK-DAC-I300A1101	-	-	aluminium	FPM/ FKM	-	0.40
	MK-DAC-I300A2201			composite			0.20
Repair kit set of O-rings	MK-DAC-O-F3-01	-	-	FPM/FKM	-	-	-
Repair kit flat seal	MK-1181-09	2.1/2" BSP	-	-	PUR	-	0.005
Set of spare parts	MK-DAC-S-F3-11	2.1/2"	10	aluminium	-	-	--

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-DIS TR



<b>Material:</b>	SS (AISI 316 / AISI 316Ti) Ms - brass, PP - polypropylene (handwheel, blank plug/cap)
<b>Seals:</b>	Viton - valves
<b>Connections:</b>	BSP female thread
<b>Seal:</b>	PTFE for SS couplings PUR for Ms couplings
<b>Working press.:</b>	Up to 25 bar
<b>Max. conn. press.:</b>	6 bar
<b>Working temp.:</b>	From 0°C up to +150°C (Ms up to +60°C)

### Operation

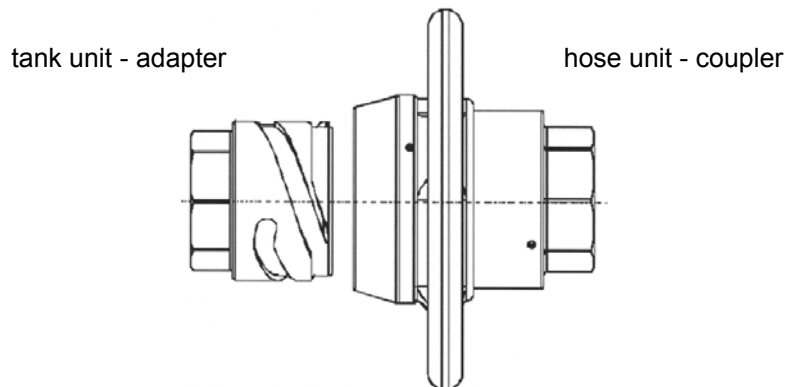
A hose unit (coupler) and a tank unit (adapter) of DRY-DIS TR coupling are both equipped with piston valves which can be opened only after the coupling is connected and closed before it is disconnected. It prevents spillage. The head of the hose unit, sizes DN 40 upwards, with polypropylene handwheel facilitates connection. The coupling is connected by sliding the hose unit over the tank unit and turning the handwheel by 10° clockwise. To allow fluid flow both units must be secured by further rotation up to 120° clockwise. To stop fluid flow, turn the head of the hose unit anticlockwise so the valves close and the coupling disconnects. A coded version of the coupling is also available. It prevents connecting the hose unit to the wrong tank unit, conveying other fluid.

### Application

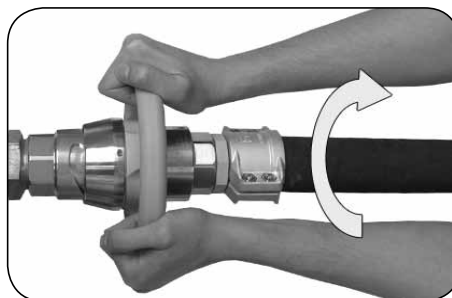
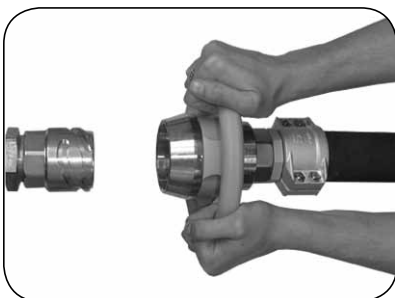
They are widely used in chemical, pharmaceutical, petrochemical, food industry and in reloading applications. They meet all requirements for safe, reliable and environment friendly transfer of hazardous, toxic or valuable fluids and gases. They come in a wide range of sizes (DN 25, 32, 40, 50, 65, 80 and 100 mm).

### Standards

Manufactured according to the standards of the producer (Roman Seliger, Germany). Compliant with the Pressure Equipment Directive (CE marking) and the ATEX Directive for operation in potentially explosive atmospheres.

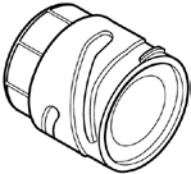
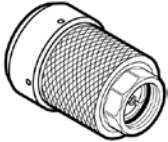


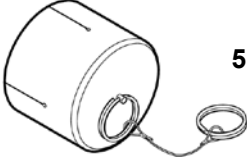


### To connect:



# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-DIS TR

picture	code	size		material	weight [kg]	pic.	
		DN	thread				
 <p><b>TRV</b> tank unit - adapter</p>	RS-558025100120	25	1" BSP	SS	0.28	1	
	RS-558025100130			Ms	0.30	1	
		RS-558032125120	32	1.1/4" BSP	SS	0.50	1
		RS-558032125130			Ms	0.53	1
		RS-558040150120	40	1.1/2" BSP	SS	0.75	1
		RS-558040150130			Ms	0.79	1
		RS-558050200120	50	2" BSP	SS	1.20	1
		RS-558050200130			Ms	1.28	1
		RS-558065250120	65	2.1/2" BSP	SS	1.70	1
		RS-558065250130			Ms	1.82	1
 <p><b>TRM</b> hose unit - coupler</p>	RS-558080300120	80	3" BSP	SS	3.20	1	
	RS-558080300130			Ms	3.45	1	
		RS-558100400120	100	4" BSP	SS	5.10	1
		RS-558100400130			Ms	5.45	1
		RS-561025100120	25	1" BSP	SS	0.85	2
		RS-561025100130			Ms	0.91	2
		RS-561032125120	32	1.1/4" BSP	SS	1.50	2
		RS-561032125130			Ms	1.62	2
		RS-561040150120	40	1.1/2" BSP	SS	2.00	3
		RS-561040150130			Ms	2.15	3
	RS-561050200120	50	2" BSP	SS	3.90	3	
	RS-561050200130			Ms	4.20	3	
 <p><b>TRM</b> hose unit - coupler</p>	RS-561065250120	65	2.1/2" BSP	SS	5.10	3	
	RS-561065250130			Ms	5.50	3	
		RS-561080300120	80	3" BSP	SS	6.20	3
		RS-561080300130			Ms	6.70	3
		RS-561100400120	100	4" BSP	SS	11.50	3
		RS-561100400130			Ms	12.35	3
	 <p><b>TRS</b> hose unit blank plug</p>	RS-564025000500	25		PP	0.03	4
		RS-564032000500	32		PP	0.05	4
		RS-564040000500	40		PP	0.07	4
		RS-564050000500	50		PP	0.11	4
RS-564065000500		65		PP	0.14	4	
RS-564080000500		80		PP	0.22	4	
RS-564100000500		100		PP	0.32	4	
 <p><b>TRK</b> tank unit blank cap</p>		RS-567025000500	25		PP	0.05	5
		RS-567032000500	32		PP	0.07	5
		RS-567040000500	40		PP	0.10	5
	RS-567050000500	50		PP	0.14	5	
	RS-567065000500	65		PP	0.21	5	
	RS-567080000500	80		PP	0.28	5	
	RS-567100000500	100		PP	0.50	5	

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-LINK



**Material:** AISI 316  
**Seal:** PTFE, Viton, EPDM, Chemraz  
**Connections:** BSP or NPTF female thread  
**Working press.:** 14.3 bar - for 1" and 1.1/2"  
                           10.3 bar - for 2"  
                           8.3 bar - for 3"  
**Vacuum:** Up to 0.95 bar  
**Working temp.:** From -30°C up to +110°C (Viton, EPDM, Chemraz)  
                           From -7°C up to +110°C (PTFE)

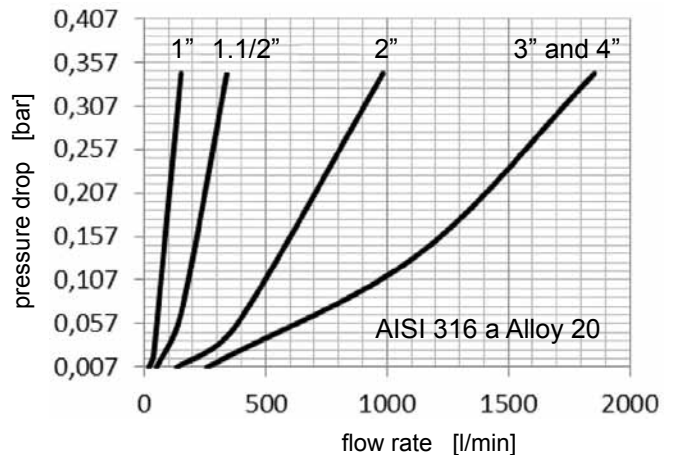
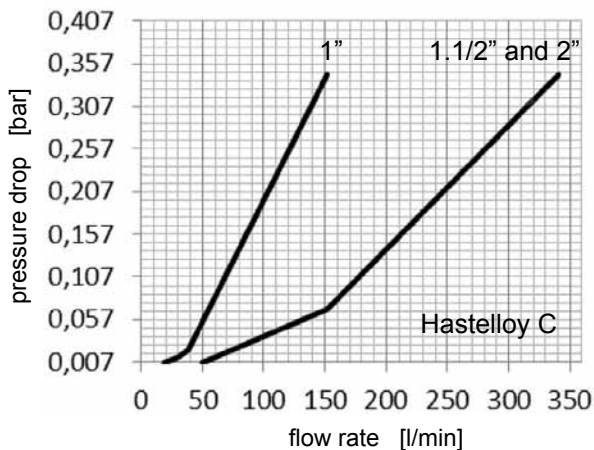
### Operation

A coupler (hose unit) and an adapter (tank unit) of DRY-LINK coupling are both equipped with butterfly valves. The units connect when the coupler slides over the adapter and locking arm is pushed down. To allow fluid flow the locking arm must be secured by turning the handle of the valve by 90°. Advantages of the coupling: light weight, very little pressure drop and easy operation. Mechanical interlock (locking arm) prevents accidental opening.

### Application

DRY LINK couplings are designed for safe and spill free connection within installation (spillage is too small to be measured). Widely used in petrochemical, pharmaceutical and food industry. They meet the most demanding requirements for safe handling and environment protection. Perfectly suited for high viscosity fluids. Available with ASA flanges, TRICLOVER or weld-in fittings, as a polished hygienic version or made of Alloy 20 or Hastelloy C for highly corrosive applications.

### Pressure drop vs. flow rate

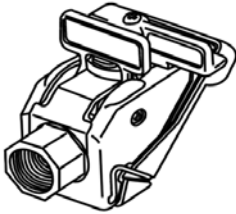
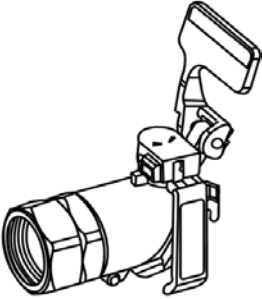

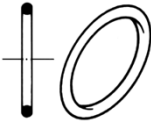


### To connect:



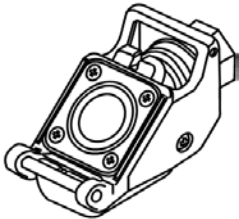
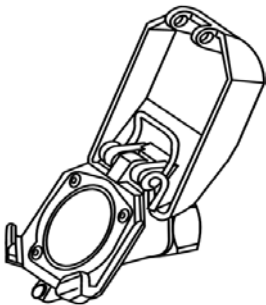

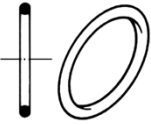
# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-LINK

picture	code	connection	working press. [bar]	material	seal	weight [kg]			
	AC-DLF-100-T-BSP	1" BSP female	14.3	AISI 316	PTFE	0.90			
	AC-DLF-100-T-NPT	1" NPT female				1.50			
	AC-DLF-150-T-BSP	1.1/2" BSP female				1.50			
	AC-DLF-150-T-NPT	1.1/2" NPT female			1.50				
	AC-DLF-100-V-BSP	1" BSP female			Viton	0.90			
	AC-DLF-100-V-NPT	1" NPT female				1.50			
	AC-DLF-150-V-BSP	1.1/2" BSP female				1.50			
	AC-DLF-150-V-NPT	1.1/2" NPT female			EPDM	0.90			
	AC-DLF-100-E-BSP	1" BSP female				1.50			
	AC-DLF-100-E-NPT	1" NPT female				1.50			
	AC-DLF-150-E-BSP	1.1/2" BSP female			Chemraz	0.90			
	AC-DLF-150-E-NPT	1.1/2" NPT female				1.50			
	AC-DLF-100-C-BSP	1" BSP female				1.50			
	AC-DLF-100-C-NPT	1" NPT female			1.50				
	AC-DLF-150-C-BSP	1.1/2" BSP female			1.50				
AC-DLF-150-C-NPT	1.1/2" NPT female	1.50							
	AC-DLF-200-T-BSP	2" BSP female	10.3	AISI 316	PTFE	2.30			
	AC-DLF-200-T-NPT	2" NPT female			Viton				
	AC-DLF-200-V-BSP	2" BSP female			EPDM				
	AC-DLF-200-V-NPT	2" NPT female			Chemraz				
	AC-DLF-200-E-BSP	2" BSP female			PTFE		6.40		
	AC-DLF-200-E-NPT	2" NPT female						Viton	
	AC-DLF-300-T-BSP	3" BSP female	EPDM						
	AC-DLF-300-T-NPT	3" NPT female	Chemraz						
	AC-DLF-300-V-BSP	3" BSP female	PTFE	7.70					
	AC-DLF-300-V-NPT	3" NPT female				Viton			
	AC-DLF-300-E-BSP	3" BSP female			EPDM				
	AC-DLF-300-E-NPT	3" NPT female			Chemraz				
	AC-DLF-400-T-BSP	4" BSP female			PTFE	7.70			
	AC-DLF-400-T-NPT	4" NPT female					Viton		
	AC-DLF-400-V-BSP	4" BSP female	EPDM						
	AC-DLF-400-V-NPT	4" NPT female	Chemraz						
	AC-DLF-400-E-BSP	4" BSP female	PTFE	7.70					
	AC-DLF-400-E-NPT	4" NPT female					Viton		
	AC-DLF-400-C-BSP	4" BSP female			EPDM				
	AC-DLF-400-C-NPT	4" NPT female			Chemraz				
		AC-DL-K010250131			1"	-	PTFE	-	-
		AC-DL-K015250131			1.1/2"				
		AC-DL-K020250131	2"	Viton					
		AC-DL-K030250131	3"						
AC-DL-K020250201		2"	EPDM						
AC-DL-K030250201		3"							
AC-DL-K010250A3B		1"	-						
AC-DL-K014250A3B		1.1/2"							
AC-DL-K020250301		2"							
AC-DL-K030250301		3"							
	AC-DL-K010250121	1"		-	Chemraz	-	-		
	AC-DL-K015250121	1.1/2"			PTFE				
	AC-DL-K020250121	2"							
	AC-DL-K030250121	3"	Viton						
	AC-DL-K020250221	2"							
	AC-DL-K030250221	3"	EPDM						
	AC-DL-K020250321	2"							
	AC-DL-K030250321	3"							

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-LINK

picture	code	connection	working press. [bar]	material	seal	weight [kg]														
	AC-DLM-100-T-BSP	1" BSP female	14.3	AISI 316	PTFE	0.80														
	AC-DLM-100-T-NPT	1" NPT female				Viton	1.40													
	AC-DLM-150-T-BSP	1.1/2" BSP female					EPDM	0.80												
	AC-DLM-150-T-NPT	1.1/2" NPT female						Chemraz	1.40											
	AC-DLM-100-V-BSP	1" BSP female							0.80											
	AC-DLM-100-V-NPT	1" NPT female								1.40										
	AC-DLM-150-V-BSP	1.1/2" BSP female			0.80															
	AC-DLM-150-V-NPT	1.1/2" NPT female				1.40														
	AC-DLM-100-E-BSP	1" BSP female					0.80													
	AC-DLM-100-E-NPT	1" NPT female						1.40												
	AC-DLM-150-E-BSP	1.1/2" BSP female							0.80											
	AC-DLM-150-E-NPT	1.1/2" NPT female								1.40										
	AC-DLM-100-C-BSP	1" BSP female			0.80															
	AC-DLM-100-C-NPT	1" NPT female				1.40														
	AC-DLM-150-C-BSP	1.1/2" BSP female					0.80													
AC-DLM-150-C-NPT	1.1/2" NPT female	1.40																		
	AC-DLM-200-T-BSP		2" BSP female	10.3				AISI 316	PTFE		1.40									
	AC-DLM-200-T-NPT		2" NPT female							Viton		4.10								
	AC-DLM-200-V-BSP		2" BSP female		EPDM								Chemraz							
	AC-DLM-200-V-NPT		2" NPT female			PTFE														
	AC-DLM-200-E-BSP		2" BSP female				Viton													
	AC-DLM-200-E-NPT	2" NPT female	4.10																	
	AC-DLM-200-C-BSP	2" BSP female			EPDM															
	AC-DLM-200-C-NPT	2" NPT female							Chemraz											
	AC-DLM-300-T-BSP	3" BSP female								8.3				AISI 316	PTFE	5.90				
	AC-DLM-300-T-NPT	3" NPT female															Viton	5.90		
	AC-DLM-300-V-BSP	3" BSP female																	EPDM	Chemraz
	AC-DLM-300-V-NPT	3" NPT female																		
	AC-DLM-300-E-BSP	3" BSP female		Viton																
	AC-DLM-300-E-NPT	3" NPT female						5.90												
	AC-DLM-300-C-BSP	3" BSP female									EPDM									
	AC-DLM-300-C-NPT	3" NPT female				Chemraz														
	AC-DLM-400-T-BSP	4" BSP female					8.3					AISI 316	PTFE		5.90					
	AC-DLM-400-T-NPT	4" NPT female	Viton														5.90			
	AC-DLM-400-V-BSP	4" BSP female			EPDM														Chemraz	
	AC-DLM-400-V-NPT	4" NPT female							PTFE											
	AC-DLM-400-E-BSP	4" BSP female								Viton										
	AC-DLM-400-E-NPT	4" NPT female	5.90																	
	AC-DLM-400-C-BSP	4" BSP female			EPDM															
	AC-DLM-400-C-NPT	4" NPT female											Chemraz							
	AC-DL-K010250141	1"		-										PTFE		-		-		
	AC-DL-K015250141	1.1/2"						Viton												
	AC-DL-K020250141	2"									EPDM									
	AC-DL-K030250141	3"				Chemraz														
	AC-DL-K020250201	2"					PTFE													
	AC-DL-K030250201	3"										Viton								
	AC-DL-K010260B3B	1"						EPDM												
	AC-DL-K014260B3B	1.1/2"							Chemraz											
	AC-DL-K020250301	2"				PTFE														
	AC-DL-K030250301	3"	Viton																	
	AC-DL-K010250121	1"		-	Chemraz		-			-										
	AC-DL-K015250121	1.1/2"						PTFE												
	AC-DL-K020250121	2"			Viton															
	AC-DL-K030250121	3"				EPDM														
	AC-DL-K020250221	2"	Chemraz																	
	AC-DL-K030250221	3"			PTFE															
	AC-DL-K020250321	2"	Viton																	
	AC-DL-K030250321	3"			EPDM															



# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - EPSILON



- Coupling:** AISI 316, AISI 316L  
(Hastelloy C-276 available)
- Seal:** TFM (PFA available)
- Connections:** BSP or NPT female thread,  
DIN or ASA flanges, TRICLOVER, weld-in
- Working press.:** 30 bar
- Under pressure:** Full vacuum
- Working temp.:** From -30°C up to +120°C (PFA)  
From -30°C up to +230°C (TFM)
- Max. spillage:** 0.7 ml (1"), 0.8 ml (2"), 2 ml (3")
- Flow factor  $c_v$ :** 42 (1"), 160 (2"), 240 (3")

### Operation

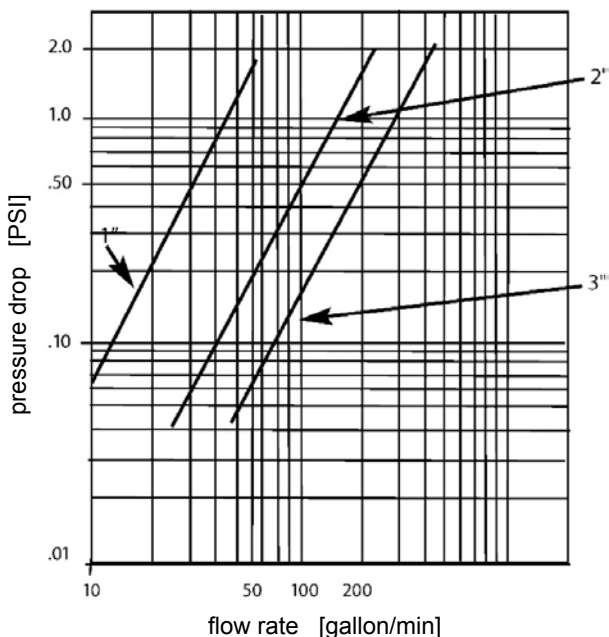
The connection between halves is possible when ramped lug and flange interfaces are aligned, connected with a push, followed by 90° turn. To allow fluid flow the valves of the coupling must be opened in correct order - first the valve of the coupler and the valve of the adapter second (order marked on the handles). The valves cannot be opened when the coupling halves are disconnected. The design of the coupling, a ball valve in each half, provides an unrestricted flow path. EPSILON is a dry disconnect coupling of the highest quality and highest working parameters. The fluid path is made of AISI 316/316L steel or Hastelloy C-276 (a coupling entirely made of Hastelloy C-276 is available). Each U-Cup seal, made of modified PTFE (TFM or PFA) is energized with a Hastelloy C-276 spring to provide initial sealing, including high, low and full vacuum. EPSILON couplings ensure the lowest spillage rates at connection/disconnection and reduced emission of volatile organic compounds - less than 25 ppm at operator exposable distance. Available with polyethylene blank plugs/caps as a standard. Stainless steel pressure dust cups are available on request.

### Application

Widely used in chemical, pharmaceutical, petrochemical industry for industrial processes and reloading of valuable and hazardous media.

### Standards

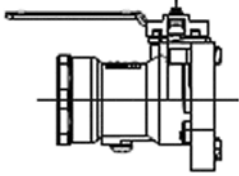
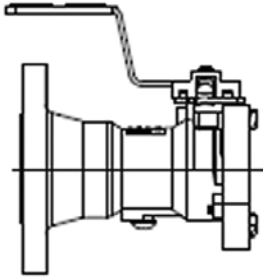
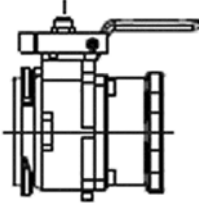
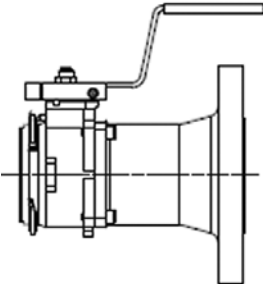
Approved by TSSA (Technical Standards and Safety Authority), AAR (Association of American Railroads), TÜV.



valve size	connection size
1"	3/4", 1", DN20, DN25
2"	1.1/2", 2", DN40, DN50
3"	3", DN80

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - EPSILON

picture	code	connection	working press. [bar]	material	seal	weight [kg]	
	OW-ZE16HS12A-01101	3/4" NPT female	30	AISI 316	TFM	1.40	
	OW-ZE16HS12B-01101	3/4" BSP female					
	OW-ZE16HS16A-01101	1" NPT female					
	OW-ZE16HS16B-01101	1" BSP female				2.70	
	OW-ZE32HS24A-01101	1.1/2" NPT female					
	OW-ZE32HS24B-01101	1.1/2" BSP female					
	OW-ZE32HS32A-01101	2" NPT female				25	8.60
	OW-ZE32HS32B-01101	2" BSP female					
	OW-ZE48HS48A-01101	3" NPT female					
OW-ZE48HS48B-01101	3" BSP female						
	OW-ZE16HS12J-01101	DN20 PN16	16	AISI 316	TFM	-	
	OW-ZE16HS12D-01101	3/4" 150PSI	30				
	OW-ZE16HS12L-01101	DN20 PN40	16				
	OW-ZE16HS16J-01101	DN25 PN16	16				
	OW-ZE16HS16D-01101	1" 150PSI	30				
	OW-ZE16HS16L-01101	DN25 PN40	16				
	OW-ZE32HS24J-01101	DN40 PN16	16				
	OW-ZE32HS24D-01101	1.1/2" 150PSI	30				
	OW-ZE32HS24L-01101	DN40 PN40	16				
	OW-ZE32HS32J-01101	DN50 PN16	16				
	OW-ZE32HS32D-01101	2" 150PSI	30				
	OW-ZE32HS32L-01101	DN50 PN40	16				
	OW-ZE48HS48J-01101	DN80 PN16	16				
	OW-ZE48HS48D-01101	3" 150PSI	25				
OW-ZE48HS48L-01101	DN80 PN40						
	OW-ZE16AS12A-01101	3/4" NPT female	30	AISI 316	TFM	1.20	
	OW-ZE16AS12B-01101	3/4" BSP female					
	OW-ZE16AS16A-01101	1" NPT female					
	OW-ZE16AS16B-01101	1" BSP female				1.80	
	OW-ZE32AS24A-01101	1.1/2" NPT female					
	OW-ZE32AS24B-01101	1.1/2" BSP female					
	OW-ZE32AS32A-01101	2" NPT female				25	7.30
	OW-ZE32AS32B-01101	2" BSP female					
	OW-ZE48AS48A-01101	3" NPT female					
OW-ZE48AS48B-01101	3" BSP female						
	OW-ZE16AS12J-01101	DN20 PN16	16	AISI 316	TFM	-	
	OW-ZE16AS12D-01101	3/4" 150PSI	30				
	OW-ZE16AS12L-01101	DN20 PN40	16				
	OW-ZE16AS16J-01101	DN25 PN16	16				
	OW-ZE16AS16D-01101	1" 150PSI	30				
	OW-ZE16AS16L-01101	DN25 PN40	16				
	OW-ZE32AS24J-01101	DN40 PN16	16				
	OW-ZE32AS24D-01101	1.1/2" 150PSI	30				
	OW-ZE32AS24L-01101	DN40 PN40	16				
	OW-ZE32AS32J-01101	DN50 PN16	16				
	OW-ZE32AS32D-01101	2" 150PSI	30				
	OW-ZE32AS32L-01101	DN50 PN40	16				
	OW-ZE48AS48J-01101	DN80 PN16	16				
	OW-ZE48AS48D-01101	3" 150PSI	25				
OW-ZE48AS48L-01101	DN80 PN40						

# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-MATE SS



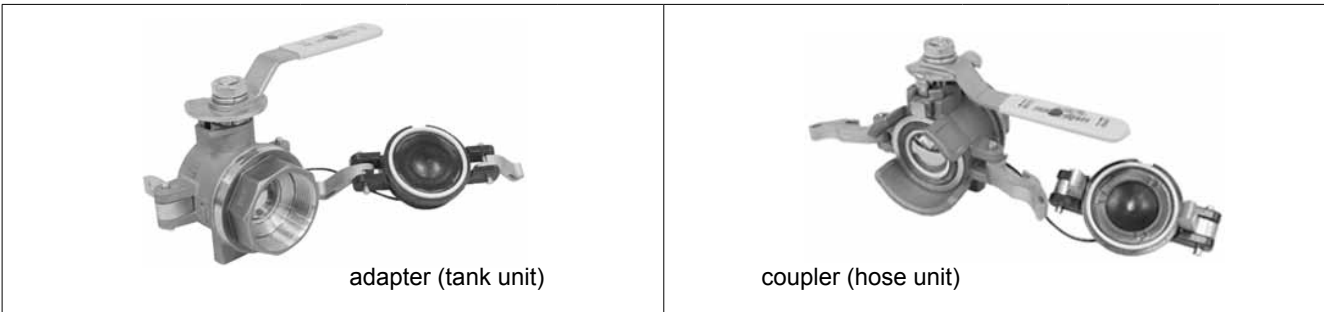
**Material:** AISI 316  
**Seal:** PTFE - valve  
 Viton - coupling  
 (EPDM and Kalrez available)  
**Connections:** BSP or NPT female thread  
 (thread seal)  
**Working press.:** Up to 7 bar  
**Working temp.:** Up to +150°C  
**Max. spillage:** 1 ml (1") and 2 ml (1.1/2" and 2")

### Operation

The halves of the coupling connect similar to CAMLOCK coupling - cam levers must be closed. When the valves of the connected coupling are being opened, the locking yoke automatically interlocks the cam levers - prevents disconnection. The adapter must always be assembled on the side where pressure is supplied. The design of the coupling, a ball valve in each half, provides an unrestricted flow path 1.1/2" (38 mm). The valves cannot be opened when the coupling halves are disconnected.

### Application

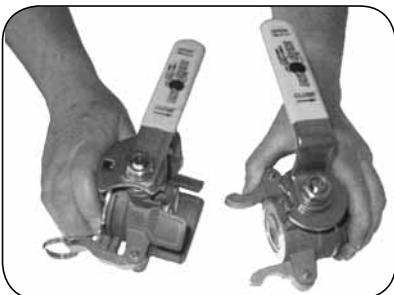
DRY-MATE SS is a user-friendly coupling designed for safe, virtually spill-free connection within installation. DRY-MATE SS couplings are used in chemical and pharmaceutical industry, in agriculture. Not suitable for gaseous media.



code	DN [mm]	thread	weight [kg]	code	DN [mm]	thread	weight [kg]
AC-DMA100-SS-BSP	25	1" BSP	1.00	AC-DMD100-SS-BSP	25	1" BSP	1.15
AC-DMA100-SS-NPT	25	1" NPT	1.00	AC-DMD100-SS-NPT	25	1" NPT	1.15
AC-DMA150-SS-BSP	38	1.1/2" BSP	2.70	AC-DMD150-SS-BSP	38	1.1/2" BSP	3.05
AC-DMA150-SS-NPT	38	1.1/2" NPT	2.70	AC-DMD150-SS-NPT	38	1.1/2" NPT	3.05
AC-DMA200-SS-BSP	38	2" BSP	2.60	AC-DMD200-SS-BSP	38	2" BSP	3.05
AC-DMA200-SS-NPT	38	2" NPT	2.60	AC-DMD200-SS-NPT	38	2" NPT	3.05

Adapters and couplers are supplied with polypropylene blank caps/plugs as a standard.

### To connect:



# INDUSTRIAL FITTINGS - couplings

## Dry disconnect couplings - DRY-MATE PP



**Material:** Body - polypropylene reinforced with fibre glass  
Ball - PTFE  
CAMLOCK levers - AISI 316

**Seal:** PTFE - valve  
Viton - coupling  
(EPDM and Kalrez available)

**Connections:** BSP or NPT female thread  
(thread seal)

**Working press.:** Up to 7 bar (21°C)

**Working temp.:** Up to +66°C (working press. 5 bar)



**Max. spillage:** 2 ml

### Operation

The halves of the coupling connect similar to CAMLOCK coupling - cam levers must be closed. When the valves of the connected coupling are being opened, the locking yoke automatically interlocks the cam levers - prevents disconnection. The adapter must always be assembled on the side where pressure is supplied. The design of the coupling, a ball valve in each half, provides an unrestricted flow path 1.1/2" (38 mm). The valves cannot be opened when the coupling halves are disconnected.

### Application

DRY-MATE PP is a lightweight, user friendly coupling designed for safe, virtually spill free connection within installation. DRY-MATE PP couplings are used in chemical and pharmaceutical industry, in agriculture. Not suitable for gaseous media and fluids with low ignition point.

 <p>adapter (tank unit)</p>				 <p>coupler (hose unit)</p>			
code	DN [mm]	thread	weight [kg]	code	DN [mm]	thread	weight [kg]
AC-DMA150-PP-BSP	38	1.1/2" BSP	1.20	AC-DMD150-PP-BSP	38	1.1/2" BSP	1.20
AC-DMA150-PP-NPT	38	1.1/2" NPT	1.20	AC-DMD150-PP-NPT	38	1.1/2" NPT	1.20
AC-DMA200-PP-BSP	38	2" BSP	1.20	AC-DMD200-PP-BSP	38	2" BSP	1.20
AC-DMA200-PP-NPT	38	2" NPT	1.20	AC-DMD200-PP-NPT	38	2" NPT	1.20

Adapters and couplers are supplied with polypropylene blank caps as a standard.

### To connect:

