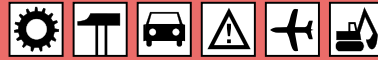




Nominal Diameter

13

 = 133 mm²


TEMA Series

TFF5000

60% of actual size

**Technical Description**

The coupling system of the TFF series has double shut-off, dry break and single-handed operation. During uncoupling there is no oil loss, and during coupling there is no inclusion of air into the system.

Connected length in total:
TFF5010 + TFF5020 = 144 mm
TFF5010 + TFF5021 = 179 mm

Advantages

Dry break quick connect coupling. With minimum pressure drop. Single-handed operation. No oil loss during uncoupling. A safety closing ring prevents unintentional disconnection. Twice as safe through double sealing. Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

Available Valves**Working Pressure**

See chart.

Working Temperature*

-30°C up to +100°C (NBR)
 -25°C up to +200°C (FKM)
 depending on the medium.

*At a temperature below -25°C and above +200°C special seals are available on request.

Material**Coupling**

Coupling Body
 Sleeve
 Locking Ring
 Valve
 Springs
 Locking Balls
 Seals
 Valve Holder
 Thread Body

Standard

Steel, QPQ-treated
 Steel Hardened, Zinc Plated, Yellow passivated, sealed
 Brass, Zinc-iron coated, Black passivated, sealed
 Steel, Zinc Plated, Yellow passivated, sealed
 AISI 301
 AISI 420 C
 NBR/PUR
 Steel, Yellow Zinc Plated, sealed
 Steel, Zinc Plated, Yellow passivated, sealed

Plug

Plug Body
 Valve
 Springs
 Seals
 Valve Holder
 Thread Body

Steel Hardened, Zinc Plated, Yellow passivated, sealed
 Steel, QPQ-treated
 AISI 301
 NBR/PUR
 Brass, Hard-drawn
 Steel, Zinc Plated, Yellow passivated, sealed

Pressure Eliminator Version (Plug)

2. Valve
 2. Valve Holder (up to 100°C)
 2. Valve Holder (over 100°C)

Brass
 Zinc Casting (NBR)
 Brass, Hard-Drawn (FKM)

Pressure (Coupling/Plug)

TFF5000

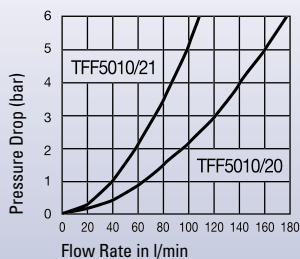
Bursting Pressure coupled

> 1500 bar/1500 bar

Working Pressure uncoupled

350 bar/350 bar

Flow Capacity Viscosity for 32cSt at 40°C
 as per ISO 7241/2-2000

**Couplings****TEMA Series TFF5000**

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
<p>Female Thread</p>	1/2"	G 1/2	40	82	44		400	Standard	NBR/PUR	TFF5010	■
	1/2"	G 1/2	40	82	44		400	Standard	FKM	TFF5010 V	■
	1/2"	G 3/4	40	82	44		400	Standard	NBR/PUR	TFF5010-75	■
	1/2"	G 3/4	40	82	44		400	Standard	FKM	TFF5010-75 V	■

DS = Delivery Status:

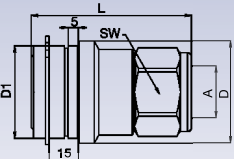
■ in stock

■ on short call

■ medium term delivery

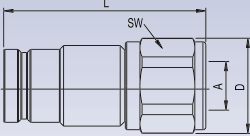
Couplings for Multiplate

TEMA Series TFF5000

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2 IG	40	82	52	47	400	Standard	NBR/PUR	TFF5010 E	■
	1/2"	G 1/2 IG	40	82	52	47	400	Standard	FKM	TFF5010 EV	■
	1/2"	G 3/4 IG	40	82	52	47	400	Standard	NBR/PUR	TFF5010-75 E	■
	1/2"	G 3/4 IG	40	82	52	47	400	Standard	FKM	TFF5010-75 EV	■

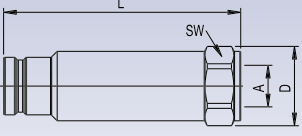
Plugs

TEMA Series TFF5000

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2 IG	36	84	35		400	Standard	NBR/PUR	TFF5020	■
	1/2"	G 1/2 IG	36	84	35		400	Standard	FKM	TFF5020 V	■
	1/2"	G 3/4 IG	36	90	40		400	Standard	NBR/PUR	TFF5020-75	■
	1/2"	G 3/4 IG	36	90	40		400	Standard	FKM	TFF5020-75 V	■

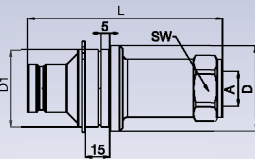
Plugs with Pressure Eliminator

TEMA Series TFF5000

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	1/2"	G 1/2 IG	36	120	40		400	Standard	NBR/PUR	TFF5021	■
	1/2"	G 1/2 IG	36	120	40		400	Standard	FKM	TFF5021 V	■
	1/2"	G 3/4 IG	36	120	40		400	Standard	NBR/PUR	TFF5021-75	■
	1/2"	G 3/4 IG	36	120	40		400	Standard	FKM	TFF5021-75 V	■

Plugs with Pressure Eliminator for Multiplate

TEMA Series TFF5000

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
	1/2"	G 1/2 IG	36	120	52	47	400	Standard	NBR/PUR	TFF5021 E	■
	1/2"	G 1/2 IG	36	120	52	47	400	Standard	FKM	TFF5021 EV	■
	1/2"	G 3/4 IG	36	120	52	47	400	Standard	NBR/PUR	TFF5021-75 E	■
	1/2"	G 3/4 IG	36	120	52	47	400	Standard	FKM	TFF5021-75 EV	■

DS = Delivery Status:

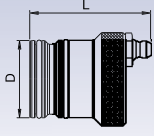
■ in stock

■ on short call

■ medium term delivery


Lubrication Nipple

TEMA Series TFF5000

	Dimension	Description	L	D	Part Number	DS
			mm	mm		
	1/2"	Coupling	48	29	TGRF5	■


Seal-Kit for Plug

TEMA Series TFF5000

	Dimension	Description	Material	Part Number	DS
	1/2"	Plug	NBR	TFF5000-PSN	■□
	1/2"	Plug	FKM	TFF5000-PSV	■□
	1/2"	Plug	PUR	TFF5000-PSPU	■
Further sealing materials on request.					

Dust Protection

TEMA Series TFF5000

	Dimension	Description	L	D	Material	Color*	Part Number	DS
			mm	mm				
	1/2"	Coupling	220	28	PVC	Blue	TFF5016	■□
	1/2"	Plug	220	28	PVC	Blue	TFF5026	■□
*) Further colors on request.								

DS = Delivery Status: ■ in stock

■□ on short call

□□ medium term delivery