



Nominal Diameter

25,5 = 510 mm²


TEMA Series

TFF10000

40% 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:
TFF10010 + TFF10020 = 230 mm
TFF10010 + TFF10021 = 269 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. Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

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.

Available Valves**Material****Coupling**

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

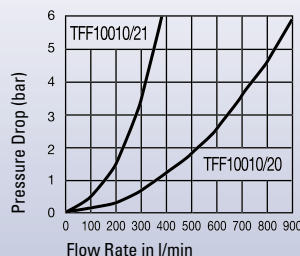
Standard

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

Flow Capacity Viscosity for 32cSt at 40°C
 as per ISO 7241/2-2000
**Pressure (Coupling/Plug)**

TFF10000

Bursting Pressure coupled

> 1100 bar

Working Pressure uncoupled

300 bar

Couplings
TEMA Series TFF10000

	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"	G 1	65	120	70		300	Standard	NBR/PUR	TFF10010	■□
	1"	G 1	65	120	70		300	Standard	FKM	TFF10010 V	■□
	1"	G 1 1/4	65	120	70		300	Standard	NBR/PUR	TFF10010-125	■□
	1"	G 1 1/4	65	120	70		300	Standard	FKM	TFF10010-125 V	■□
	1"	G 1 1/2	65	120	70		300	Standard	NBR/PUR	TFF10010-150	■□
	1"	G 1 1/2	65	120	70		300	Standard	FKM	TFF10010-150 V	■□

DS = Delivery Status:

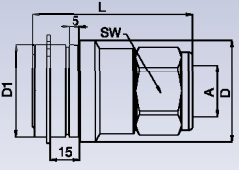
■ in stock

□ on short call

□ medium term delivery

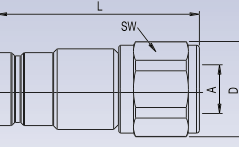
Couplings for Multiplate

TEMA Series TFF10000

	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"	G 1	65	120	80	75	300	Standard	NBR/PUR	TFF10010 E	■□
	1"	G 1	65	120	80	75	300	Standard	FKM	TFF10010 EV	■□
	1"	G 1 1/4	65	120	80	75	300	Standard	NBR/PUR	TFF10010-125 E	■□
	1"	G 1 1/4	65	120	80	75	300	Standard	FKM	TFF10010-125 EV	■□
	1"	G 1 1/2	65	120	80	75	300	Standard	NBR/PUR	TFF10010-150 E	■□
	1"	G 1 1/2	65	120	80	75	300	Standard	FKM	TFF10010-150 EV	■□

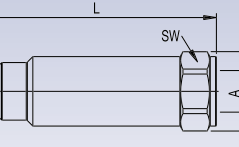
Plugs

TEMA Series TFF10000

	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"	G 1	60	138	65		300	Standard	NBR/PUR	TFF10020	■□
	1"	G 1	60	138	65		300	Standard	FKM	TFF10020 V	■□
	1"	G 1 1/4	60	138	70		300	Standard	NBR/PUR	TFF10020-125	■□
	1"	G 1 1/4	60	138	70		300	Standard	FKM	TFF10020-125 V	■□
	1"	G 1 1/2	60	138	70		300	Standard	NBR/PUR	TFF10020-150	■□
	1"	G 1 1/2	60	138	70		300	Standard	FKM	TFF10020-150 V	■□

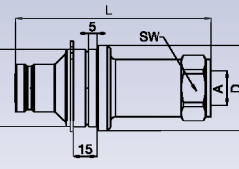
Plugs with Pressure Eliminator

TEMA Series TFF10000

	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"	G 1	55	178	60		300	Standard	NBR/PUR	TFF10021	■□
	1"	G 1	55	178	60		300	Standard	FKM	TFF10021 V	■□
	1"	G 1 1/4	55	178	60		300	Standard	NBR/PUR	TFF10021-125	■□
	1"	G 1 1/4	55	178	60		300	Standard	FKM	TFF10021-125 V	■□
	1"	G 1 1/2	55	178	60		300	Standard	NBR/PUR	TFF10021-150	■□
	1"	G 1 1/2	55	178	60		300	Standard	FKM	TFF10021-150 V	■□

Plugs with Pressure Eliminator for Multiplate

TEMA Series TFF10000

	Dimension	Connection A	SW mm	L mm	D mm	D1 mm	Working press. in bar	Version	Seal	Part Number	DS
	1"	G 1	55	178	80	75	300	Standard	NBR/PUR	TFF10021 E	■□
	1"	G 1	55	178	80	75	300	Standard	FKM	TFF10021 EV	■□
	1"	G 1 1/4	55	178	80	75	300	Standard	NBR/PUR	TFF10021-125 E	■□
	1"	G 1 1/4	55	178	80	75	300	Standard	FKM	TFF10021-125 EV	■□

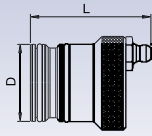
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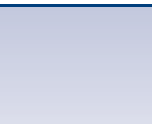
Lubrication Nipple

TEMA Series TFF10000

	Dimension	Description	L	D	Part Number	DS
			mm	mm		
	1"	Coupling	52	50	TGRF10	■ □


Seal-Kit for Plug

TEMA Series TFF10000

	Dimension	Description	Material	Part Number	DS
	1 1/2"	Plug	NBR	TFF10000-PSN	■ □
	1"	Plug	FKM	TFF10000-PSV	■ □
	1"	Plug	PUR	TFF10000-PSPU	■ □
Further sealing materials on request.					

Dust Protection

TEMA Series TFF10000

	Dimension	Description	L	D	Material	Color*	Part Number	DS
			mm	mm				
	1"	Coupling	290	51	PVC	Blue	TFF10016	■ □
	1"	Plug	290	5128	PVC	Blue	TFF10026	■ □
*) Further colors on request.								

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