

Technical Description

The IF series plug profile is produced according to ISO Standard 16028 and is compatible with other makes of the same standard. These couplings offer an absolutely dry break – no oil loss during uncoupling. Thanks to the valve construction, the coupling has a minimum pressure drop, and thus achieves maximum cost-effectiveness.

Additional threads on request.

Advantages

The coupling can be operated with one hand and is equipped with a safety locking device to prevent unintentional uncoupling. With the patented pressure eliminator it is possible to couple under static pressure until 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

Valve
Springs
Locking Balls

Seals
Valve Holder
Thread Body

Plug

Plug Body

Valve
Springs
Seals
Valve Holder
Thread Body

Standard

Steel, QPQ-treated
Steel, Zinc Pl., Yellow pass., sealed
Steel, Zinc Pl., Yellow pass., sealed
AISI 301
AISI 420 C
NBR
Steel, Zinc Pl., Yellow pass., sealed
Steel, Zinc Pl., Yellow pass., sealed

Stainless Steel Version

AISI 316
AISI 316
AISI 316
AISI 301
AISI 420 C
FKM
AISI 316
AISI 316

Pressure Eliminator Version (Coupling/Plug)

2. Valve Brass
2. Valve Holder Brass

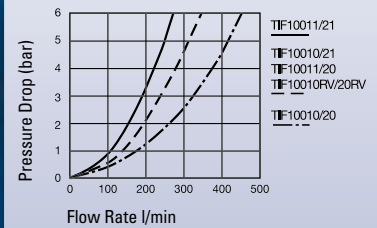
Pressure (Coupling/Plug)

Bursting Pressure coupled > 800 bar > 800 bar
Working Pressure uncoupled 200 bar 120 bar/200 bar

43% of actual size



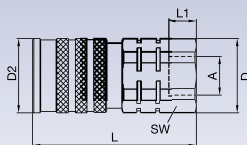
Flow Capacity Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Couplings

TEMA Series TIF10000

Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
												■
G 1	55		105	18	60		55	200	Standard	NBR	TIF10010	■
G 1	55		109	20	60		55	200	Stainl. Steel	FKM	TIF10010 RV	■□
G 1 1/4	55		106	19	60		55	200	Standard	NBR	TIF10010-125	■□
G 1 1/4	55		105	18	60		55	200	Stainl. Steel	FKM	TIF10010-125 RV	■□

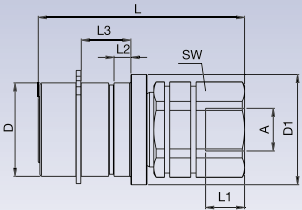


Female Thread

DS = Delivery Status: ■ in stock ■□ on short call □ medium term delivery

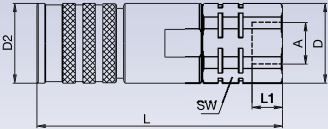
Couplings for Multiplate

TEMA Series TIF10000

	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread with locking ring according to DIN 471 Standard</p>	G 1	55	105	18	5,2	15,3	59,8	65		250	Standard	NBR	TIF10010 E	■ □
	G 1 1/4	55	109	20	5,2	15,3	59,8	65		250	Standard	NBR	TIF10010-125 E	■ □

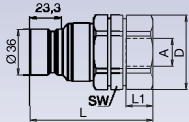
Couplings with Pressure Eliminator

TEMA Series TIF10000

	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1	55		143	18	60		55	250	Pressure Eli.	NBR	TIF10011	■ □
	G 1 1/4	55		146	20	60		55	250	Pressure Eli.	NBR	TIF10011-125	■ □

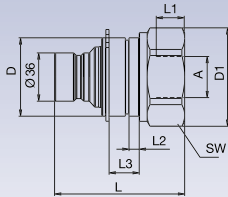
Plugs

TEMA Series TIF10000

	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1	55		89	18	60			200	Standard	NBR	TIF10020	■ □
	G 1	55		93	20	60			200	Stainl. Steel	FKM	TIF10020 RV	■ □
	G 1 1/4	55		90	19	60			200	Standard	NBR	TIF10020-125	■ □
	G 1 1/4	55		89	18	60			200	Stainl. Steel	FKM	TIF10020-125 RV	■ □

Plugs for Multiplate

TEMA Series TIF10000

	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread with locking ring according to DIN 471 Standard</p>	G 1	65	89	18	5,2	15,3	59,8	65		200	Standard	NBR	TIF10020 E	■ □

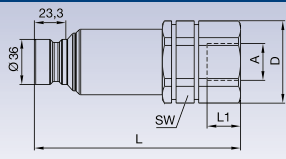
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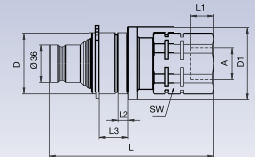
Plugs with Pressure Eliminator

TEMA Series TIF10000

 Female Thread	Connection A	Hex SW	Hex1 SW1	L mm	L1 mm	D mm	D1 mm	D2 mm	Working Press. in bar	Version	Seal	Part Number	DS
	G 1	55		126	18	60				200	Pressure Eli.	NBR	TIF10021
G 1 1/4	55		130	20	60				200	Pressure Eli.	NBR	TIF10021-125	■ □

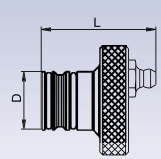
Plugs with Pressure Eliminator for Multiplate

TEMA Series TIF10000

 Female Thread with locking ring according to DIN 471 Standard	Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	Working Press. in bar	Version	Seal	Part Number	DS
	G 1	55	126	18	5.2	15.3	59.8	65		200	Pressure Eli.	NBR	TIF10021 E
G 1 1/4	55	130	20	5.2	15.3	59.8	65		200	Pressure Eli.	NBR	TIF10021-125 E	■ □

Lubrication Nipple

TEMA Series TIF10000

	Description	L mm	D mm	Part Number	DS
	Coupling	54	36	TGRIF100	■ □


Seal-Kit for Plug

TEMA Series TIF10000

Description	Material	Part Number	DS
Coupling	NBR	T10000-PSN	■ □
	FKM	T10000-PSV	■ □
	EPDM	T10000-PSEP	■ □
	PUR	T10000-PSPU	■ □
Further sealing materials on request.			

Dust Protection

TEMA Series TIF10000

	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	240	50	PVC	Blue	TIF10016	■ □
Plug	240	50	PVC	Blue	TIF10026	■ □	
Further colors on request.							

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