



This coupling system can be used as straight-through and double shut-off. Also available in stainless steel.

Connected length in total: 82 mm

The first diagram shows an incoming electron (e-) and a positron (e+) annihilating into a virtual photon (gamma), which then splits into an outgoing electron (e-) and a positron (e+). The second diagram shows an incoming electron (e-) and a positron (e+) annihilating into a virtual photon (gamma), which then splits into an outgoing positron (e+) and an electron (e-).

Coupling Body
Sleeve
Locking Ring

- Valve
- Springs
- Locking Balls
- Seals
- Valve Holder (up to 100°C)
- Valve Holder (over 100°C)

Plug Body

- Valve
- Springs
- Seals
- Valve Holder (up to 100°C)
- Valve Holder (over 100°C)

Bursting Pressure coupled
Working Pressure uncoupled

Straight-through – minimum pressure drop. Double safety through a double O-ring seal. A safety closing ring prevents unintentional uncoupling. Corrosion resistant. Compact dimensions. Pressure eliminator for coupling and plug available. With pressure eliminator, can be coupled up to operating pressure.

See chart.

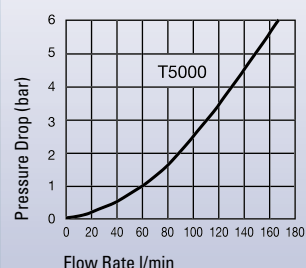
Working temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.



80% of actual size

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



Couplings

TEMA Series T5000

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DS = Delivery Status:

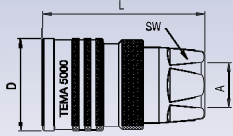
■ in stock

☒ on short call

■ medium term delivery

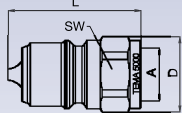
Couplings with Pressure Eliminator

TEMA Series T5000

	Conne- ction A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	30	65	40	with	300	Standard	NBR	T5011	■
	G 1/2	30	65	40	with	300	Standard	FKM	T5011 V	■□
	G 1/2	30	65	40	with	300	Stainless Steel	FKM	T5011 RV ²⁾	■□
	G 1/2	30	65	40	with	300	Stainless Steel	FKM	T5011 RFV ¹⁾ ²⁾	■□

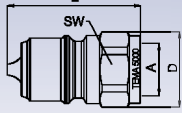
Plugs

TEMA Series T5000

	Conne- ction A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	27	46	30	with	320	Standard	NBR	T5020	■
	G 1/2	27	46	30	with	320	Standard	FKM	T5020 V	■
	G 1/2	27	46	30	with	300	Stainless Steel	FKM	T5020 RV ²⁾	■□
	G 1/2	27	42	30	without	320	Standard		T5020 UV	■□
	G 1/2	27	42	30	without	300	Stainless Steel		T5020 RUV ²⁾	■□

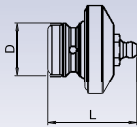
Plugs with Pressure Eliminator

TEMA Series T5000

	Conne- ction A	Hex SW	L mm	D mm	Valve	Working press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	27	47	30	with	320	Standard	NBR	T5021	■
	G 1/2	27	47	30	with	320	Standard	FKM	T5021 V	■□
	G 1/2	27	47	30	with	300	Stainless Steel	FKM	T5021 RV ²⁾	■□
	G 1/2	27	47	30	with	300	Stainless Steel	FKM	T5021 RFV ¹⁾ ²⁾	■□

Lubrication Nipple

TEMA Series T5000

	Description	L mm	D mm	Part Number	DS
	Coupling	41	25	TGR5	■□

¹⁾ Valve made of brass²⁾ For pulsating pressure, the pressure must not exceed 50 % of the given value

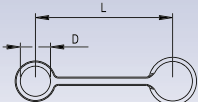
Seal-Kit for Coupling

TEMA Series T5000

	Description	Material	Part Number	DS
	Coupling	NBR	T5000-PSN	■□
	Coupling	FKM	T5000-PSV	■□
	Further sealing materials on request.			

Dust Protection

TEMA Series T5000

	Description	L mm	D mm	Material	Color	Part Number	DS
 <p>Female Thread</p>	Coupling	170	60	PVC	Blue	T5016	■
	Plug	170	52	PVC	Blue	T5026	■
	Further colors on request.						

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■□ on short call

□ medium term delivery