

TIB5000 / 74KB



122 mm² / 95 mm² =

12,5 / 11



Technical Description

The 74KB and TIB5000 series plug profiles conform to ISO Standard 7241-1 series B and are compatible with other makes of the same standard. In order to achieve the best possible corrosion protection, the steel plug is yellow passivated and sealed after galvanisation.

Advantages

The patented pressure eliminator allows for coupling under static and residual pressure, up to operating pressure. It is available in the TIB series in couplings and plugs. Both series are equipped with double O-ring plus backup ring as standard.

Working Temperature*

TIB Series:
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)

74KB Series:
-20°C up to +100°C (NBR)
-15°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.

Available Valves



Working Pressure

See chart.



Material	Standard	Brass Version	Stainless Steel Versions	
Coupling	TIB5000 Series	74KB Series	AISI 303	AISI 316 L
Coupling Body	Brass, Nickel Plated, Chromated	Brass	AISI 303	AISI 316 L
Sleeve	Steel, Zinc Pl., Yellow passivated, sealed	Brass	AISI 303	AISI 316 L
Valve	Brass	Brass	AISI 303	AISI 316 L
Springs	AISI 301	AISI 301	AISI 301	AISI 316 Ti
Locking Balls	AISI 420 C	AISI 420	AISI 316	AISI 316
Seals	NBR/FKM	NBR	FKM	FKM
Valve Holder (up to 100°C)	Zinc Casting	Brass	AISI 301	AISI 316 L
Valve Holder (over 100°C)	Brass	Brass	AISI 301	AISI 316 L
Plug				
Plug Body	Steel, Hardened, Zinc Pl., Yellow passivated, sealed	Brass	AISI 303	AISI 316 L
Valve	Brass	Brass	AISI 303	AISI 316 L
Springs	AISI 301	AISI 301	AISI 301	AISI 316 Ti
Seals	NBR/FKM	NBR	FKM	FKM
Valve Holder (up to 100°C)	Zinc Casting	Brass	AISI 301	AISI 316 L
Valve Holder (over 100°C)	Brass	Brass	AISI 301	AISI 316 L

Pressure (Coupling/Plug)

Bursting Pressure coupl. > 1280 bar/1280 bar
Working Pressure uncoupl. 250 bar/250 bar

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

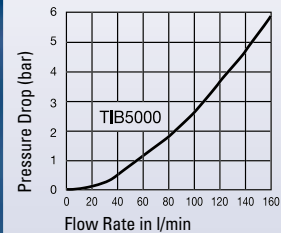
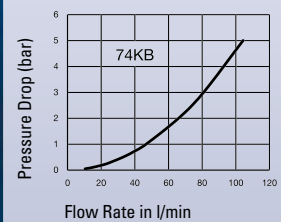


Chart 74KB / Water



Couplings

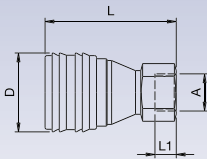
TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
<p>Female Thread</p>	G 1/2	33	66	14	39	with	300	Standard	NBR	TIB5010	■
	G 1/2	33	66	14	39	with	300	Standard	FKM	TIB5010 V	■□
	G 1/2	33	66	14	39	without	300	Standard	NBR	TIB5010 UV	■□
	G 1/2	33	66	14	39	without	300	Standard	FKM	TIB5010 VUV	■□

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

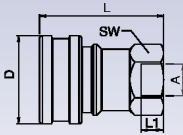
Couplings

RECTUS Series 74KB

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	27	76	16	44,5	with	150	Brass	NBR	74KB IW21 MPX	■
	G 1/2	27	76	16	44,5	with	250	AISI 303	FKM	74KB IW21 RVX	■
	G 1/2	27	76	16	44,5	with	250	AISI 316 L	FKM	74KB IW21 EVX	□

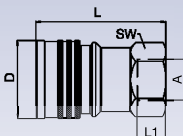
Couplings with Heavy Duty Sleeve

TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	33	66	14	47	with	300	Standard	NBR	TIB5010 H	■□
	G 1/2	33	66	14	47	with	300	Standard	FKM	TIB5010 VH	■□
	G 1/2	33	66	14	47	without	300	Standard	NBR	TIB5010 UVH	■□
	G 1/2	33	66	14	47	without	300	Standard	FKM	TIB5010 VUVH	■□

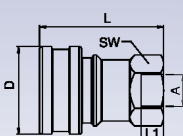
Couplings with Pressure Eliminator

TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	33	66	14	10	with	300	Standard	NBR	TIB5011	■
	G 1/2	33	66	14	10	with	300	Standard	FKM	TIB5011 V	■□

Couplings with Pressure Eliminator and extra Strong Sleeve

TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	33	66	14	47	with	300	Standard	NBR	TIB5011 H	■□
	G 1/2	33	66	14	47	with	300	Standard	FKM	TIB5011 VH	■□

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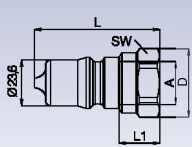
■ in stock

■□ on short call

□ medium term delivery

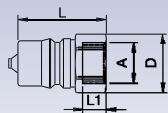
Plugs

TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	28	48	14	31	with	300	Standard	NBR	TIB5020	■
	G 1/2	28	48	14	31	with	300	Standard	FKM	TIB5020 V	■□
	G 1/2	28	42	14	31	without	300	Standard	-	TIB5020 UV	■□

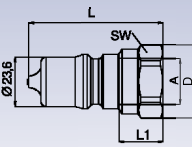
Plugs

RECTUS Series 74KB

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	27	48	16		with	150	Brass	NBR	74SB IW21 MPX	■
	G 1/2	27	48	16		with	250	AISI 303	FKM	74SB IW21 RVX	■
	G 1/2	27	48	16		with	250	AISI 316 L	FKM	74SB IW21 EVX	■□

Plugs with Pressure Eliminator

TEMA Series TIB5000

	Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working Press. in bar	Version	Seal	Part Number	DS
 <p>Female Thread</p>	G 1/2	28	48	14	31	with	300	Standard	NBR	TIB5021	■
	G 1/2	28	48	14	31	with	300	Standard	FKM	TIB5021 V	■□

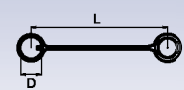
Seal-Kit for Coupling

TEMA Series TIB5000

	Description	Material	Part Number	DS
	Coupling	NBR	TIB5000-PSN	■□
	Coupling	FKM	TIB5000-PSV	■□
Further sealing materials on request.				

Dust Protection

TEMA Series TIB5000 / RECTUS Series 74KB

	Description	L mm	D mm	Material	Color	Part Number	DS
	Coupling	170	60	PVC	Blue	TIB5016	■
	Plug	170	52	PVC	Blue	TIB5026	■
Further colors on request.							

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■□ on short call

□ medium term delivery