TEMA Profile

Body Size

1/8" up to 2"

Tema Profile

T-Series

Medium Pressure



Technical Description
The TEMA Standard Series is characterised by a low pressure drop and maximum flow capacity. The coupling system is available as double shut-off or straight through version. The 2500 can be used also as a single shut-off version.

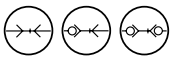
Super Nipple
Increased hardening for better wear resistance

Advantages
- High operating pressure.
- Compact dimension.
- Due to the Pressure Eliminator version for coupling and plug the connection is possible up to the operating pressure.
- Double safety through a double O-ring seal.
- A safety locking sleeve prevents unintentional disconnection (except series 2300).

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves



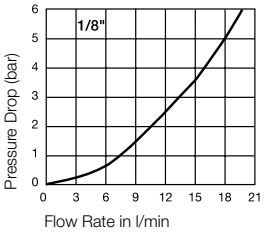
Applications Area

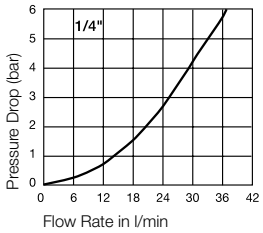


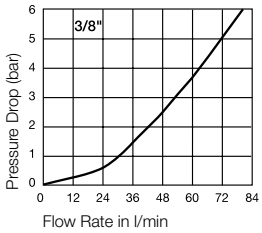
Material Coupling	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Coupling Body	Brass, nickel plated chromated	AISI 316	Brass, chromated
Sleeve	Steel hardened, zinc plated, passiv., sealed	AISI 316	Brass, chromated
Locking Ring	Brass, zinc-iron coated, black passiv., sealed	AISI 316	
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR/FKM	FKM	NBR
Valve Holder (up to 100°C)	Zinc casting	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	

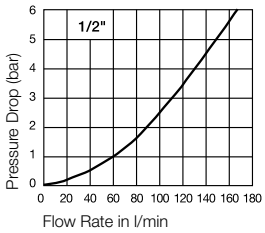
Plug	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Plug Body	Steel hardened, zinc plated, passiv., sealed	AISI 316	AISI 420 hardened
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	
Seals	NBR/FKM	FKM	
Valve Holder (up to 100°C)	Zinc Casting	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	

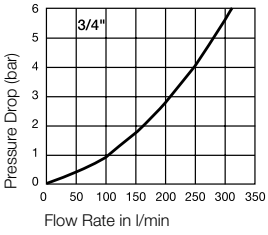
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000

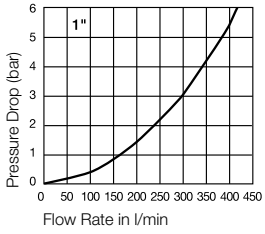


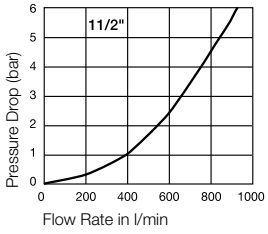


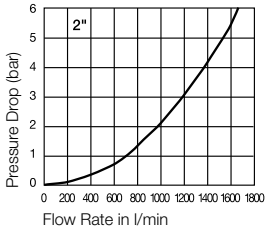








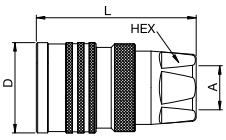




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Couplings T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Standard	NBR	2310-QC
1/8"	G 1/8	15	38	18	with	200	Standard	FKM	2310 V
1/8"	G 1/8	15	38	18	without	200	Standard	NBR	2310 UV
1/8"	G 1/8	15	38	18	without	200	Standard	FKM	2310 VUV
1/4"	G 1/4	21	64	25	with	450	Standard	NBR	2510-QC
1/4"	G 1/4	21	64	25	with	450	Standard	FKM	2510 V
1/4"	G 1/4	21	64	25	without	450	Standard	NBR	2510 UV
1/4"	G 1/4	21	64	25	without	450	Standard	FKM	2510 VUV
3/8"	G 3/8	24	60	34	with	350	Standard	NBR	3810
3/8"	G 3/8	24	60	34	with	350	Standard	FKM	3810 V
3/8"	G 3/8	24	60	34	without	350	Standard	NBR	3810 UV
3/8"	G 3/8	24	60	34	without	350	Standard	FKM	3810 VUV
3/8"	G 3/8	24	60	34	without	350	High Press. Water	NBR	3810 H
3/8"	G 3/8	24	60	34	without	350	High Press. Water	FKM	3810 HV
3/8"	G 3/8	24	40	34	without	350	High Press. Water	EPDM	3810 HEP
3/8"	G 3/8	29	40	34	without	350	High Press. Water	NBR	3810 H2
3/8"	G 3/8	29	40	34	without	350	High Press. Water	FKM	3810 H2V
3/8"	G 3/8	29	40	34	without	350	High Press. Water	EPDM	3810 H2EP
1/2"	G 1/2	30	65	40	with	300	Standard	NBR	5010
1/2"	G 1/2	30	65	40	with	300	Standard	FKM	5010 V
1/2"	G 1/2	30	65	40	without	300	Standard	NBR	5010 UV
1/2"	G 1/2	30	65	40	without	300	Standard	FKM	5010 VUV
3/4"	G 3/4	38	73	52	with	280	Standard	NBR	7510
3/4"	G 3/4	38	73	52	with	280	Standard	FKM	7510 V
3/4"	G 3/4	38	73	52	without	280	Standard	NBR	7510 UV
3/4"	G 3/4	38	73	52	without	280	Standard	FKM	7510 VUV
1"	G 1	45	88	62	with	250	Standard	NBR	10010
1"	G 1	45	88	62	with	250	Standard	FKM	10010 V
1"	G 1	45	88	62	without	250	Standard	NBR	10010 UV
1"	G 1	45	88	62	without	250	Standard	FKM	10010 VUV
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	NBR	15010-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	FKM	15010 V
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	NBR	15010 M
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	FKM	15010 MV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	NBR	15010 UV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	FKM	15010 VUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	NBR	15010 MUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	FKM	15010 MVUV
2"	G 2	75	144	90	with	180	Standard	NBR	20010-QC
2"	G 2	75	144	90	with	180	Standard	FKM	20010 V
2"	G 2	75	144	90	without	180	Standard	NBR	20010 UV
2"	G 2	75	144	90	without	180	Standard	FKM	20010 VUV



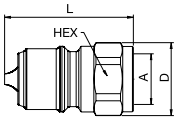
Female Thread

⚠ Please consider our security advices on the pages 12/13 ⚠

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Plugs — T-Series

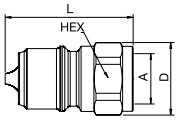
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Standard	NBR	2320
1/8"	G 1/8	15	38	17	with	200	Standard	FKM	2320 V
1/8"	G 1/8	15	36	17	without	200	Standard		2320 UV
1/4"	G 1/4	19	45	21	with	450	Standard	NBR	2520
1/4"	G 1/4	19	45	21	with	450	Standard	FKM	2520 V
1/4"	G 1/4	19	45	21	without	450	Standard		2520 UV
3/8"	G 3/8	22	42	24	with	350	Standard	NBR	3820
3/8"	G 3/8	22	42	24	with	350	Standard	FKM	3820 V
3/8"	G 3/8	22	38	24	without	350	Standard		3820 UV
1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
1/2"	G 1/2	27	42	30	without	320	Standard		5020 UV
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
3/4"	G 3/4	36	47	39	without	300	Standard		7520 UV
1"	G 1	46	60	49	with	280	Standard	NBR	10020
1"	G 1	46	60	49	with	280	Standard	FKM	10020 V
1"	G 1	46	53	49	without	280	Standard		10020 UV
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	NBR	15020
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	FKM	15020 V
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	NBR	15020 M
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	FKM	15020 MV
1 1/2"	G 1 1/2	60	107	67	without	200	Standard		15020 UV
1 1/2"	G 1 1/2	60	107	67	without	50	Brass		15020 MUV
2"	G 2	75	142	85	with	180	Standard	NBR	20020-QC
2"	G 2	75	142	85	with	180	Standard	FKM	20020 V
2"	G 2	75	142	85	without	180	Standard	NBR	20020 UV



Female Thread

Super Nipple — T-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

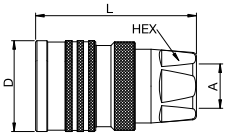


Female Thread

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Couplings — T-Series

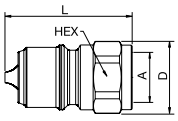
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	NBR	3811
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	FKM	3811 V
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	NBR	5011
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 V
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	NBR	7511
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	FKM	7511 V
1"	G 1	45	88	62	with	250	Press. Eliminator	NBR	10011-QC
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 V
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	NBR	15011-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	FKM	15011 V



PE Female Thread

Plugs — T-Series

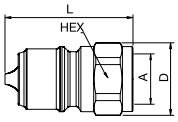
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	NBR	3821
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 V
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	NBR	15021
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	FKM	15021 V



PE Female Thread

Super Nipple — T-Series

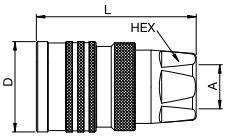
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S



PE Female Thread

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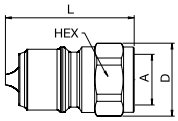
Couplings — T-Series Stainless Steel



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RV
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RFV[1]
1/8"	G 1/8	15	38	18	without	200	Stainless Steel	FKM	2310 RVUV
1/4"	G 1/4	21	64	25	with	250	Stainless Steel	FKM	2510 RV
1/4"	G 1/4	21	64	25	without	250	Stainless Steel	FKM	2510 RVUV
3/8"	G 3/8	24	60	34	with	300	Stainless Steel	FKM	3810 RV
3/8"	G 3/8	24	60	34	without	350	Stainless Steel	FKM	3810 RVUV
1/2"	G 1/2	30	65	40	with	300	Stainless Steel	FKM	5010 RV
1/2"	G 1/2	30	65	40	without	300	Stainless Steel	FKM	5010 RVUV
3/4"	G 3/4	38	73	52	with	250	Stainless Steel	FKM	7510 RV
3/4"	G 3/4	38	73	52	without	250	Stainless Steel	FKM	7510 RVUV
1"	G 1	45	88	62	with	250	Stainless Steel	FKM	10010 RV
1"	G 1	45	88	62	without	250	Stainless Steel	FKM	10010 RVUV
1 1/2"	G 1 1/2	60	112	73	with	150	Stainless Steel	FKM	15010 RV
1 1/2"	G 1 1/2	60	112	73	without	150	Stainless Steel	FKM	15010 RVUV
2"	G 2	75	144	90	with	120	Stainless Steel	FKM	20010 RV
2"	G 2	75	144	90	without	120	Stainless Steel	FKM	20010 RVUV

Plugs — T-Series Stainless Steel

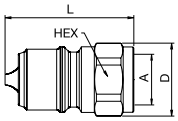


Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Stainless Steel	FKM	2320 RV
1/8"	G 1/8	15	38	17	with	200	Stainless Steel	FKM	2320 RFV[1]
1/8"	G 1/8	15	36	17	without	200	Stainless Steel		2320 RUV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RFV[1]
1/4"	G 1/4	19	45	21	with	170	High Press. Water	FKM	2520 RFV2[1 3]
1/4"	G 1/4	19	45	21	without	250	Stainless Steel		2520 RUV
1/4"	G 1/4	19	45	21	without	450	Stainless Steel		2520 RHUV[2]
1/4"	G 1/4	19	45	21	without	170	Stainless Steel		2520 RFUV2[2]
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RV
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	NBR	3820 RF[1]
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RFV[1]
3/8"	G 3/8	22	38	24	without	300	Stainless Steel		3820 RUV
3/8"	G 3/8	22	38	24	without	170	Stainless Steel		3820 RFUV[2]
1/2"	G 1/2	27	46	30	with	300	Stainless Steel	FKM	5020 RV
1/2"	G 1/2	27	42	30	without	300	Stainless Steel		5020 RUV
3/4"	G 3/4	36	52	39	with	250	Stainless Steel	FKM	7520 RV
3/4"	G 3/4	36	47	39	without	250	Stainless Steel		7520 RUV
1"	G 1	46	60	49	with	250	Stainless Steel	FKM	10020 RV
1"	G 1	46	53	49	without	250	Stainless Steel		10020 RUV

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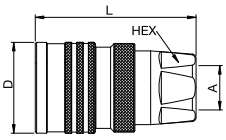
Plugs — T-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1 1/2"	G 1 1/2	60	107	67	with	150	Stainless Steel	FKM	15020 RV
1 1/2"	G 1 1/2	60	107	67	without	150	Stainless Steel		15020 RUV
2"	G 2	75	142	85	with	120	Stainless Steel	FKM	20020 RV
2"	G 2	75	142	85	without	120	Stainless Steel		20020 RUV

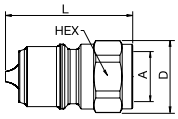
Couplings — T-Series Stainless Steel



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RV
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RFV[1]
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RV
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RFV[1]
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RV
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RFV[1]
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RV
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RFV

Plugs — T-Series Stainless Steel



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RV
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RFV[1]
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RV
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RFV[1]
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RV
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RFV[1]
1"	G 1	46	61	49	with	250	Press. Eliminator	NBR	10021 RV
1"	G 1	46	61	49	with	250	Press. Eliminator	FKM	10021 RFV[1]

[1] Valve made of brass

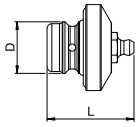
[2] Material: AISI 420 hardened

[3] Suitable for high pressure water, AISI 303

[4] For pulsating pressure, the pressure must not exceed 50% of the given value

⚠ Please consider our security advices on the pages 12/13 ⚠

Lubrication Nipples — T-Series



Body Size	Version	L mm	D mm	Part Number
3/8"	for coupling	36	22	GR3-QC
1/2"	for coupling	41	25	GR5
3/4"	for coupling	44	33	GR7
1"	for coupling	46	41	GR10-QC

For problem free operating with longer lifetime – especially in cold climates.

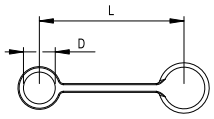
Seal-Kit — T-Series

Body Size	Version	Material	Part Number
1/8"	for coupling	NBR	11310 N
1/8"	for coupling	FKM	11310 V
1/4"	for coupling	NBR	2500-PSN
1/4"	for coupling	FKM	2500-PSV
3/8"	for coupling	NBR	3800-PSN
3/8"	for coupling	FKM	3800-PSV
1/2"	for coupling	NBR	5000-PSN
1/2"	for coupling	FKM	5000-PSV
3/4"	for coupling	NBR	7500-PSN
3/4"	for coupling	FKM	7500-PSV
1"	for coupling	NBR	10000-PSN
1"	for coupling	FKM	10000-PSV
1 1/2"	for coupling	NBR	15000-PSN
1 1/2"	for coupling	FKM	15000-PSV
2"	for coupling	NBR	20000-PSN
2"	for coupling	FKM	20000-PSV

The valve seal is crimped and can not be changed.

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Dust Protection — T-Series



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/8"	for coupling	66	15	PVC	Red	2315-QC
1/8"	for plug	55	13,4	PVC	Red	125-QC
1/4"	for coupling	145	19	PVC	Blue	2516-QC
1/4"	for plug	145	19	PVC	Blue	2526-QC
3/8"	for coupling	145	23	PVC	Blue	3816-QC
3/8"	for plug	145	23	PVC	Blue	3826
3/8"	for coupling	145	23	PVC	Yellow	3816 Y
3/8"	for plug	145	23	PVC	Yellow	3826 Y
1/2"	for coupling	170	28	PVC	Blue	5016-QC
1/2"	for plug	170	28	PVC	Blue	5026-QC
3/4"	for coupling	195	33	PVC	Blue	7516-QC
3/4"	for plug	195	33	PVC	Blue	7526
1"	for coupling	230	42	PVC	Blue	10016
1"	for plug	230	42	PVC	Blue	10026
1 1/2"	for coupling	330	56	PVC	Black	15015
1 1/2"	for plug	330	56	PVC	Black	15025
2"	for coupling	335	63	EBA	Black	20015-QC
2"	for plug	335	63	EBA	Black	20025-QC

When coupling and plug is connected it is recommended to connect dust protections – to keep these clean, too. Further colors on request.

⚠ Please consider our security advices on the pages 12/13 ⚠

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