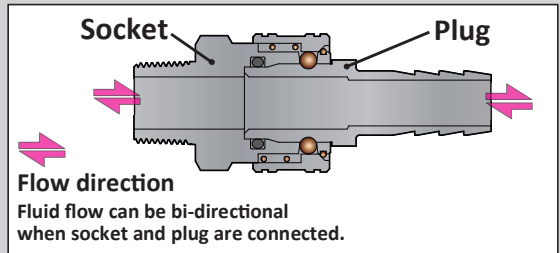


TS Series

For middle &
low pressure
Wide applications
Valveless type

Features

- This valveless model has no valve mechanism in the socket and none in the plug. It is ideal if there is no need to shut the pipe when disconnecting the socket and plug.
- The internal construction features a low flow resistance to reduce pressure loss. This series is thus well-suited to high-viscosity fluids, steam and pulverulent bodies.
- Numerous models are available varying in nominal diameter, body material, O ring material and connection method. You can select precisely the best model for your application and operating conditions.

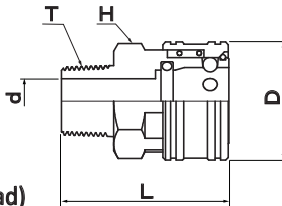


Specification

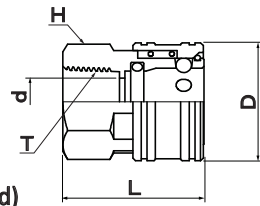
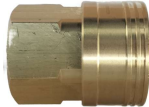
Model	TS-1	TS-2	TS-3	TS-4	TS-6	TS-8	TS-10	TS-12	TS-16
Nominal diameter	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Body material	Brass(C3604), Stainless steel (SUS304)								
Connection method (type)	Socket	Male thread (M), Female thread(F), Hose nipple (H)							
	Plug								
Max. Working pressure:MPa (Max. Impact pressure)	Brass	5.0(7.5)			3.0(4.5)		2.0(3.0)		1.5(2.3)
	Stainless steel	7.5(10.0)			4.5(6.5)		3.0(4.5)		2.0(3.0)
Seal material :Working temperature range	Fluoro rubber (FKM): -20°C to +180°C								
Applicable fluid	Brass	Gasoline, Heavy oil, Kerosene, Water							
	Stainless steel								
Use	Alkaline fluid, Brine								
Use	Hydraulic equipment, Chemicals,Chemical plant, Water piping, Sea-water piping,Hydraulic piping,High pressure gas piping								



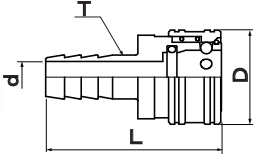
TS Socket (S)



Model SM (Male thread)



Model SF (Female thread)

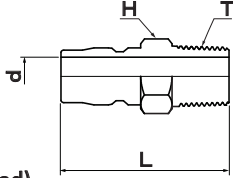


Model SH (Hose nipple)

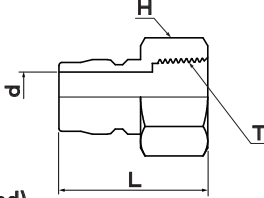
Model	T (R)	Dimensions (mm)				Mass (g)		Model	T (Rc)	Dimensions (mm)				Mass (g)		Model	T (φ,mm)	Dimensions (mm)				Mass (g)	
		L	D(φ)	d(φ)	H (H:Hex, F:Face Width)	Brass	Stainless steel			L	D(φ)	d(φ)	H (H:Hex, F:Face Width)	Brass	Stainless steel			L	D(φ)	d(φ)	Brass	Stainless steel	
TS-1SM	1/8	30	18	4.5	H14	28	27	TS-1SF	1/8	25	18	4.5	H14	25	24	TS-1SH	6.5	42	18	3	28	26	
TS-2SM	1/4	42	24	7	H19	70	65	TS-2SF	1/4	32	24	7	H19	55	50	TS-2SH	9	57	24	5	67	63	
TS-3SM	3/8	45	28	10	H23	100	93	TS-3SF	3/8	35	28	12	H23	90	83	TS-3SH	11.3	62	28	7	105	97	
TS-4SM	1/2	54	35	13	H29	180	166	TS-4SF	1/2	42	35	13	H29	160	148	TS-4SH	15	71	35	10	175	162	
TS-6SM	3/4	64	45	17	H35	360	335	TS-6SF	3/4	50	45	18	H38	320	300	TS-6SH	21	84	45	15	337	315	
TS-8SM	1	74	58	25	H46	680	628	TS-8SF	1	59	58	26	H46	525	490	TS-8SH	27	99	58	19	640	600	
TS-10SM	1-1/4	86	69	32	F54	1030	960	TS-10SF	1-1/4	64	69	36	F54	900	825	TS-10SH	34.5	119	69	26	1000	950	
TS-12SM	1-1/2	95	75	38	F58	1250	1180	TS-12SF	1-1/2	71	75	42	F58	1050	970	TS-12SH	41	125	75	32	1245	1180	
TS-16SM	2	108	98	50	F77	2130	2020	TS-16SF	2	80	98	54	F77	2850	1660	TS-16SH	54	141	98	40	2400	2190	

*Socket and plug of different Nominal diameter (Model No) cannot be connected.

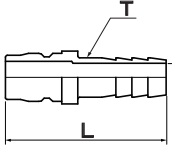
TS Plug (P)



Model PM (Male thread)



Model PF (Female thread)



Model PH (Hose nipple)

Model	T (R)	Dimensions (mm)			Mass (g)	
		L	d(φ)	H (H:Hex, F:Face Width)	Brass	Stainless steel
TS-1PM	1/8	32	4.5	H11	25	24
TS-2PM	1/4	38	7	H17	32	30
TS-3PM	3/8	43	10	H19	45	42
TS-4PM	1/2	52	13	H23	84	78
TS-6PM	3/4	59	17	H29	150	138
TS-8PM	1	74	25	H38	320	300
TS-10PM	1-1/4	83	32	H48	530	505
TS-12PM	1-1/2	93	38	H54	710	675
TS-16PM	2	102	50	F75/Ø80	1430	1320

Model	T (Rc)	Dimensions (mm)			Mass (g)	
		L	d(φ)	H	Brass	Stainless steel
TS-1PF	1/8	25	4,5	H14	13	13
TS-2PF	1/4	32	7	H17	17	16
TS-3PF	3/8	38	10	H21	45	42
TS-4PF	1/2	44	13	H26	85	78
TS-6PF	3/4	50	17	H35	177	161
TS-8PF	1	59	25	H41	265	240
TS-10PF	1-1/4	64	32	H53	610	580
TS-12PF	1-1/2	75	38	H58	750	635
TS-16PF	2	83	50	F77/Ø82	1350	1180

Model	T (φ,mm)	Dimensions (mm)			Mass (g)	
		L	D(φ)	d(φ)	Brass	Stainless steel
TS-1PH	6.5	42	12	3	12	12
TS-2PH	9	53	14	5	25	33
TS-3PH	11.3	60	18	7	40	37
TS-4PH	15	69	22	10	75	69
TS-6PH	21	80	28	15	132	124
TS-8PH	27	96	40	19	340	315
TS-10PH	34.5	120	48	26	560	520
TS-12PH	41	132	55	32	700	650
TS-16PH	54	142	70	40	1450	1350

*Specifications are subjects to change without notice.