

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel with Automatic Locking Mechanism **Series ESHTe**

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For Temperature Regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	63	23.5	25	13	9	77	ESHTe 13 TL	ESHTe 13 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTe 13 TL45	ESHTe 13 TL45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTe 13 TL90	ESHTe 13 TL90AB

Couplings with male thread

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	56	22	23.5	12.5	13	9	95	ESHTe38AL	ESHTe38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	94	ESHTe1615AL	ESHTe1615ALAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTe38AL45	ESHTe38AL45AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTe1615AL45	ESHTe1615AL45AB

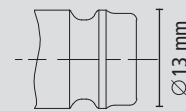
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTe38AL90	ESHTe38AL90AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTe1615AL90	ESHTe1615AL90AB

Other sizes on request

*depends on media (Oil: 200°C, Water: 160°C, Air: 200°C)

DN9



Plug Profile (original size)

Temp Secure
by **LUDECKE**



European
Plug Profile

