

T°LOK-S

– Dual Interlock Quick Coupling for Liquid Cooling Systems



TLOK is our dedicated brand for high-performance thermal management solutions. TLOK-S ensures secure, clean, and efficient liquid cooling connections for next-generation systems. (Patent No. 202510641398.5))

Technical Info

- Size:** 1", 2", 3", 4"
- Material:** 304 Stainless steel
- Seal:** EPDM
- Working temperature:** -40°C to +120°C
(-40°F to +248°F)
- Working pressure:** 16bar/232psi



[Operational Video](#)



Hose tail



Female



Male

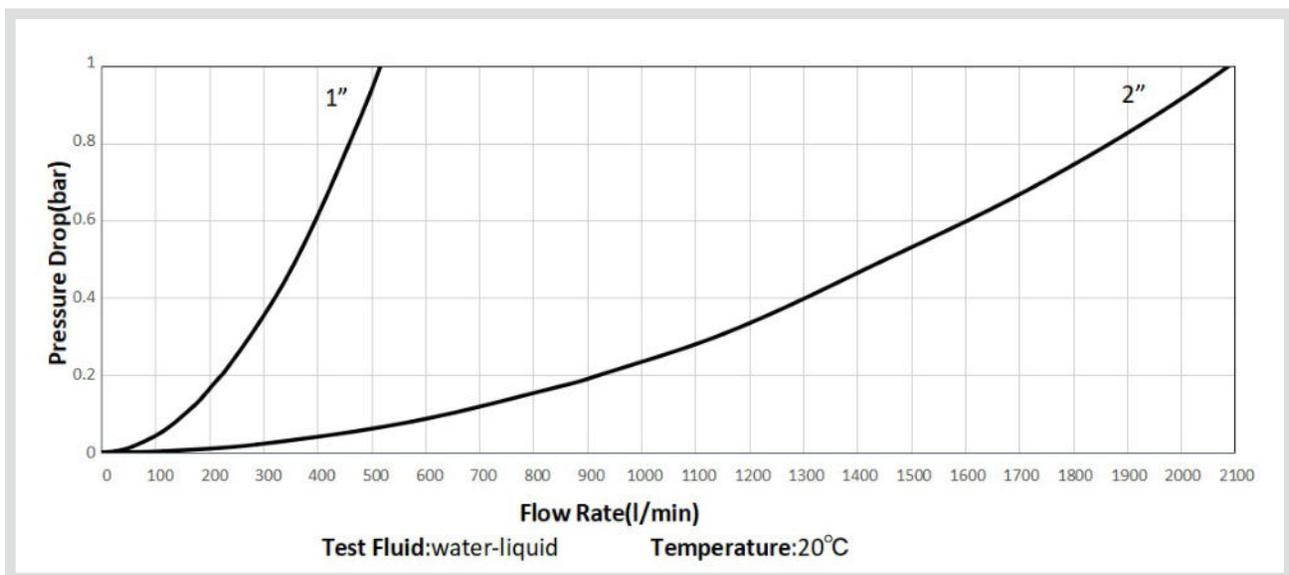


Tri clamp



Product Features–TLOK-S

- 1- **Integrated valve and coupling design** enables fast connection and disconnection with dual interlock safety.
- 2- **No male or female distinction** – both ends are fully compatible. After connection, the two handles align in a straight line, making it easy to confirm a secure connection and allowing operation in tight spaces.
- 3- **Safety-first mechanism** – the valve opens only after full engagement. Both valves must be closed before disconnection, ensuring secure operation.
- 4- **Locking button** on the handle prevents accidental opening.
- 5- **Protective rubber sleeve** guards against impact damage and can be color-coded to identify different fluid types.
- 6- **Flexible end connection options** including threaded, Tri-Clamp, or hose tail. The connection can rotate 360° for simplified installation and hose alignment.
- 7- **Available in larger diameters** (2", 3", 4") to support higher flow rates.
- 8- **Customizable materials** for body and seals to adapt to various operating environments.
- 9- **Compatible with other leading brands** on the market.
- 10- **Optional actuator interface** available for remote control applications.



Size	Max. Working Pressure		Min. Burst Pressure		Rated Flow		Fluid Loss cc. max	CV value
	bar	psi	bar	psi	lpm	gpm		
1"	16	232	48	696	216	57	2.8	34
2"	16	232	48	696	899	238	11.7	143