

Bypass Accessories

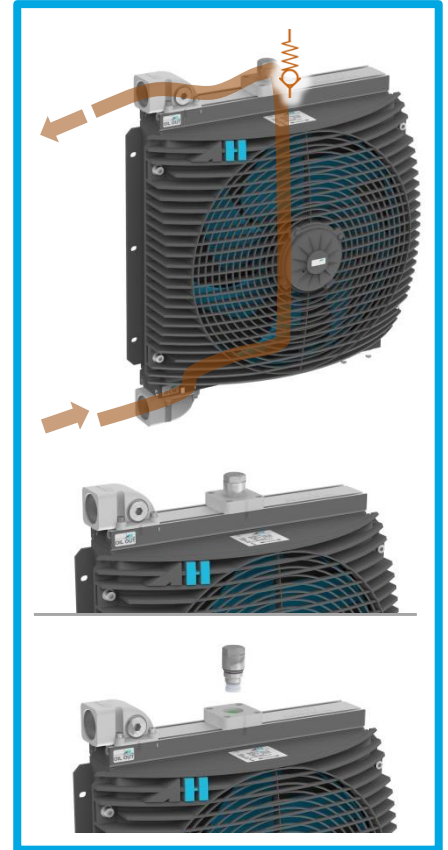
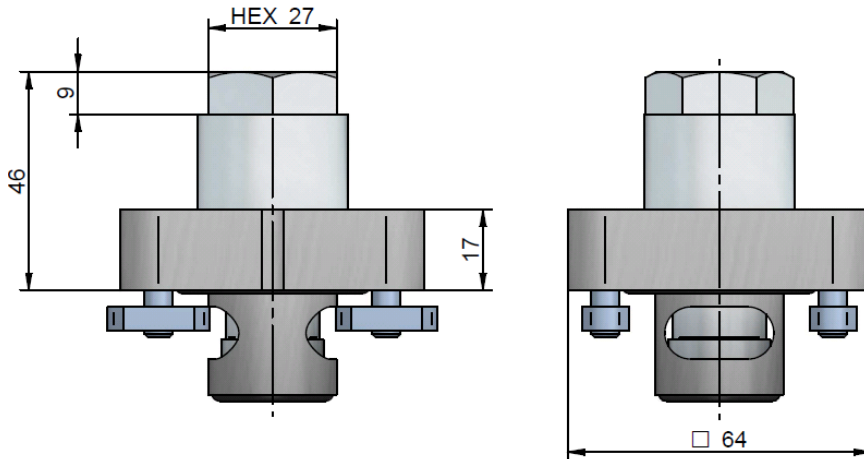
temperature bypass valve for asa rail system coolers

The thermal bypass valve is an accessory to our oil/air coolers with the asa rail system, also for easy retro fit on existing coolers in the field with internal bypass.

The function is to keep the cooling performance to a minimum on a permanent fan drive system avoiding unwanted cooling at cold start conditions. The valve opens the bypass channel below 50°C and closes for maximum oil flow through the oil channels above 50°C to 60°C. Moreover the function of a spring loaded bypass valve is also integrated to protect the radiator core in case of overpressure and high return oil flows e.g. when differential cylinders are used.

Dimension on top of cooler

(mounted on asa rail system)



Technical Data

order reference	description	max. working temperature	relief temperature	closing temperature	relief pressure	max. working pressure (static)	weight
			[°C]	[°C]	[bar]	[bar]	[kg]
ILLZBPT50	temperature bypass 50°C, TT rail	80°C	< 58	50 to 60	2*	26	0,48

*...opens only if temperature bypass is closed (= >60°C)

The order reference code must be indicated at enquiries or orders to the cooler order number. A new cooler order number will be created, at initial order.

Materials

sealings	NBR / HNBR
rail flange	aluminium
corrosion protection	all exposed surfaces:
temperature valve	zinc-nickel plated

Compatibility

rail system coolers	TT 07, TT 11, TT 16 and TT 25 rail
minimum fluid cleanliness	class 20/18/15 acc. ISO 4406:1999
viscosity range:	10...650mm ² /s (cSt) recommended 15...250mm ² /s (cSt)

