Bypass Accessories temperature bypass valve for asa rail system coolers

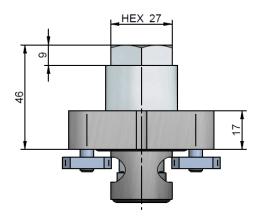


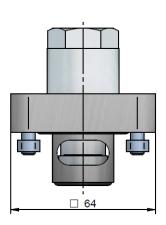
The thermal bypass valve is an accessory to our oil/air coolers with the asa rail system, also for easy retro fit on existing coolers in the field with internal bypass.

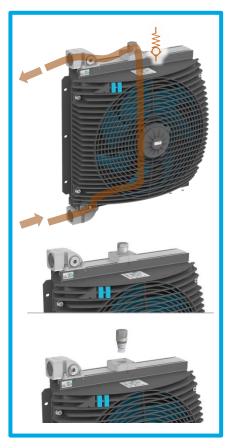
The function is to keep the cooling performance to a minimum on a permanent fan drive system avoiding unwanted cooling at cold start conditions. The valve opens the bypass channel below 50°C and closes for maximum oil flow through the oil channels above 50°C to 60°C. Moreover the function of a spring 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	n nascrintion	max. working 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)

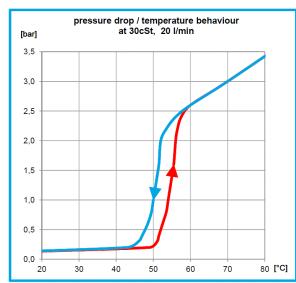
The order reference code must be indicated at enquiries or orders to the cooler order number. A new cooler order number will be created, at initial order.

Materials

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

Compatibility

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rail system coolers	TT 07, TT 11, TT 16, TT20, TT21, TT25, TT30, TT36, TT40					
minimum fluid cleanness	class 20/18/15 acc. ISO 4406:1999					
viscosity range:	10650mm²/s (cSt) recommended 15250mm²/s (cSt)					



This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by ++ 15%. Therefore we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-v. General tolerances for casted parts according EN ISO 80623 (DCTG 10). Tolerances for rubber parts are according to SN 3302-1 (class M4-F+C). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. In addition to that we point out that any data sheet and corresponding scale drawing is no substitution for the manual.

Documentation

**Documentation*