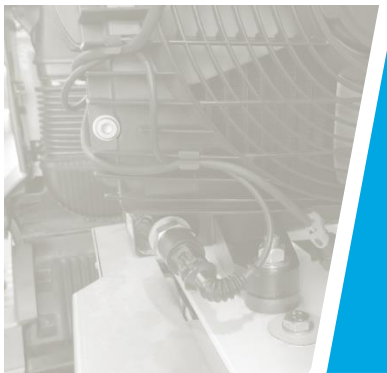
eco-exchanger FT 11

The cooler unit for transit mixers

cooler ● filter ● oil tank ● fan drive



be different.

make a difference.

Innovation

How to innovate reliable systems?

With over 40 years‘ experience in designing and manufacturing of coolers, filters and fan units lead us to this unique solution for the market of truck mounted concrete mixers. Our knowledge as a technology partner and the close communication with end users makes the eco-exchanger to the bench mark in hydraulic cooling and filtration. On first sight this product looks reliable and simple. The innovation is a summary of solutions from the inside out. Please contact us to discover the various configuration possibilities as well options or any adaptations for your application.

Components

Cross-Reference

article code	manufacturer
ILLCO1102FTF....	ASA
1053.127.0000	AKG
DR-R / OC-R	AHF
LKFM-12 / LKFM-24	Universal Hydraulik
OKAN FK 1511250	Funke
any many more	

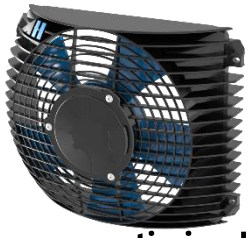
Contact us for a comparison with other solutions in the market and discover the savings and potential for higher efficiency.

Benefits

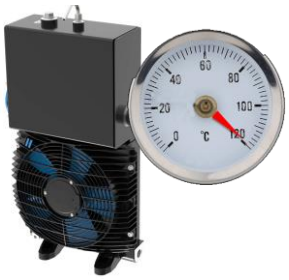
Our key to successful design innovations is close contact with the customers and especially the end users. In this overview, we highlight the major benefits of the eco exchanger. Due to the high level of modularity, we cannot show all of our options and possibilities. Please contact us and share your requirements with us, so we can work out the optimal configuration for your application.

Cleanest and simplest filter change design/filter bypass on request

Better filter performance through larger cartridge



Energy-optimized asa-fan options acc. ECE-R10

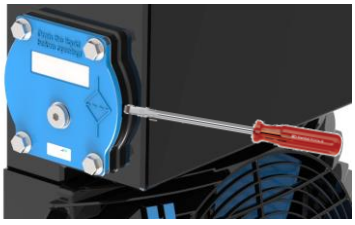


No temperature sensitive plastics

Short suction line

Optional fan control

Optimized oil filling



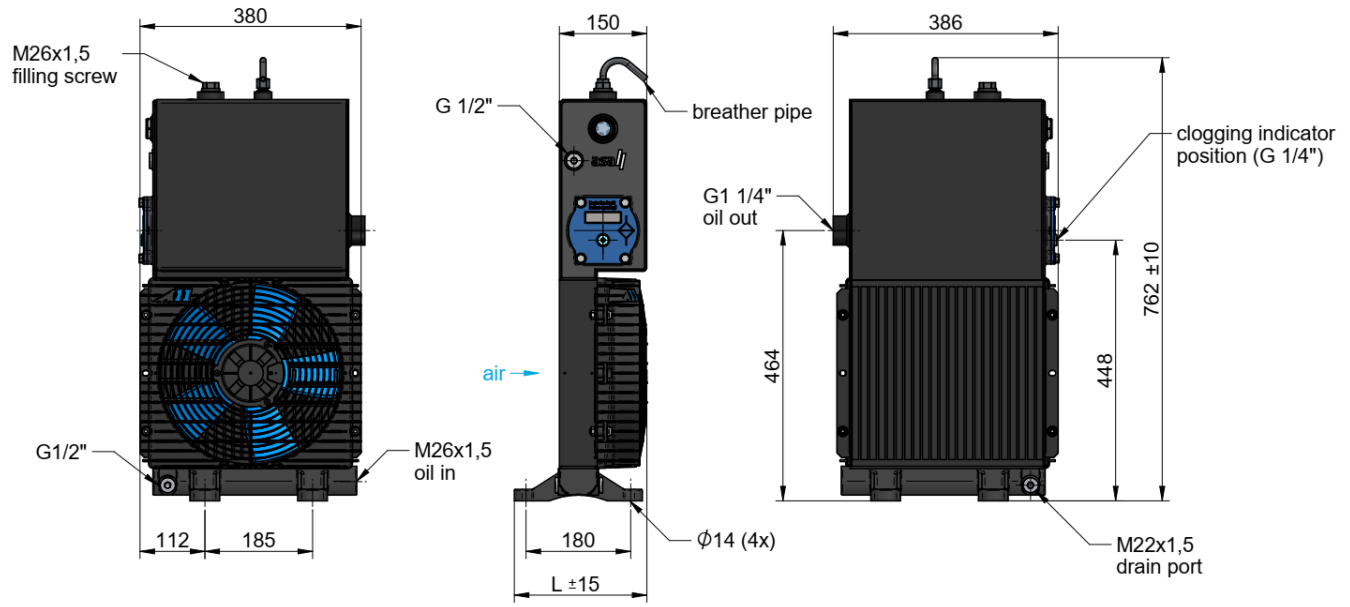
Practical multi-function filter cap

Temperature control options

Mechanical protection for peripheral components

Oil drain valve

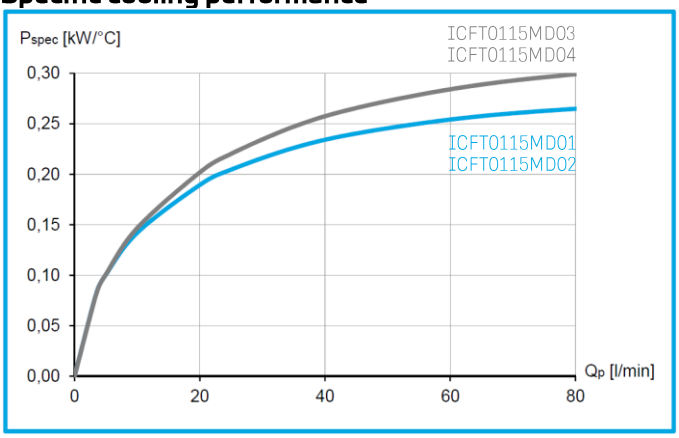
Oil/Air Cooler eco-exchanger FT 11
12V / 24V DC with integrated suction filter and tank



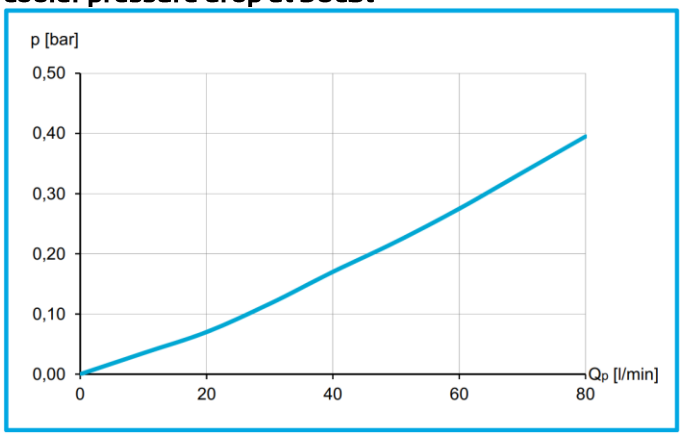
Technical Data

order number	description	motor power	current	protection	air flow	noise level	L	weight
		[kW]	[A]		[kg/s]	[dB(A)]	[mm]	[kg]
ICFT0115MD01	ECO 11 12V DC filt. w. filter i.tank	0,16	12,5	IP 68	0,60	77	232	15
ICFT0115MD02	ECO 11 24V DC filt. w. filter i.tank	0,18	7,0	IP 68	0,60	77	232	15
ICFT0115MD03	ECO 11 12V DC h.p. filt. w. filter i.tank	0,29	22,2	IP 68	0,74	79	252	16
ICFT0115MD04	ECO 11 24V DC h.p. filt. w. filter i.tank	0,29	11,0	IP 68	0,74	79	252	16

Specific cooling performance



cooler pressure drop at 30cSt



Radiator

material:	aluminium
working temperature range:	-20°C to +100°C (oil temperature)
air fin shape:	wavy
max. working pressure:	1,2 bar

Tank

capacity	12 l

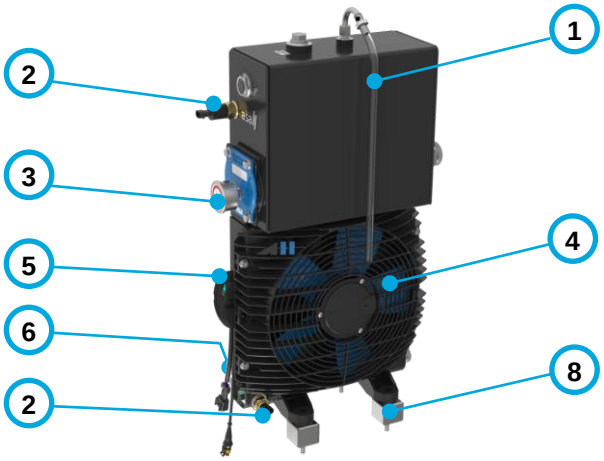
Filter

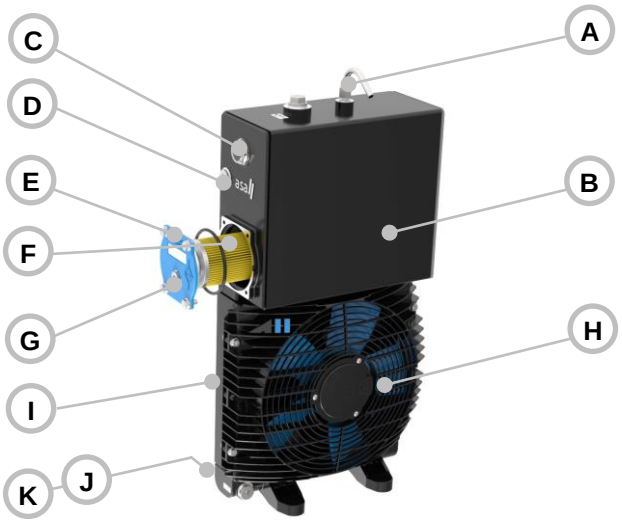
filter efficiency	β 20 © > 2 DHC ≥50g ISO MTD DUST (0,3bar – 15cSt) to ISO 16889
pressure drop	0,03 bar @ 45lpm 0,06 bar @ 70lpm in accordance to ISO 3968

Oil/Air Cooler eco-exchanger FT 11

12V / 24V DC with integrated suction filter and tank

Standard Options & Spare Parts

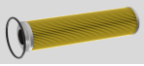




Options

1	Overflow hose part number: HC10KK	
2	Temperature switch / temp. sensor part numbers: ILLZTH5069K (50°C) ILLZTH6069K (60°C) ILLZTH7069K (70°C) ILLZTH9069K (90°C) ILLZTT5069K (sensor 45-55°C) *Sensor must be combined with temperature control *, switches can be combined*	
3	Optical clogging indicator part number: HFZV008SK electric indicator on request	
4	High performance fan configuration See performance chart page 4 brushless fan unit on request	
5	Temperature control * part numbers: ILLZTC12-3K (12V DC) ILLZTC24-3K (24V DC)	
6	Drain plug valve part number: HADVM26K	
7	Hydraulic or 230V 50Hz AC fan drive part numbers: on request	
8	Vibration absorbers Part number: MDGQ504510AAK (type A)	

Spare Parts

A	Overflow hose incl. breather pipe kit Part number: MW1661HK	
A1	Breather pipe Part number: MW1661K	
A2	Overflow hose Part number: HC10KK	
B	Aluminium radiator with tank part number: ILLEC11FTB01K	
C	Oil level indicator part number: HTFLA5GK	
D	Temperature switch / temp.sensor part numbers: ILLZTH5069K(50°C), LLZTH6069K(60°C) ILLZTH7069K(70°C),ILLZTH9069K(90°C) ILLZTT5069K (sensor 45-55°C)	
E	Filter cover and o-ring kit part number: ILLEFTDK	
F	Filter cartridge with o-ring kit part number: HFEP00110B00K	
G	Optical clogging indicator part number: HFZV008SK electric indicator on request	
H	Fan unit kit (incl. motor, fan guard, fan, fasteners) part numbers: ICFT0115MD01: ILLELE0295A1 ICFT0115MD02: ILLELE0295O2 ICFT0115MD03: ILLELE0295A5 ICFT0115MD04: ILLELE0295A6	
I	Temperature control * part numbers: ILLZTC12-3K (12V DC) ILLZTC24-3K (24V DC)	
J	Drain valve part number: HADVM26K	
K	Drain coupling part number: HADCM26K	

Other Products

Oil / Air Coolers / Standard Ranges

The asa Standard Ranges are patented, modular systems that can be combined into a customized heat exchange solution While standardization guarantees quality and short lead times, our add-ons, such as internal bypass options, offer all the flexibility you need to make our products a perfect match for your specific application. The versatility of our patented connection solutions are the best choice to gain from the system itself, as well as to add on values to the end product.

- 1 to 800 lpm
- quality through standardization
- high durability for the widest and option range

Oil / Air Coolers / Tank-Filter-Cooler-Range

Plug-in, Work, and Control (PWC) is our design philosophy. It entails using our patented systems to integrate various functions in a hydraulic circuit: a customized product results from different standard modules. This approach merges asa's well known flexible systems and engineering capabilities, so that real cost and space reduction are achieved. It does so through through simplification of parts and variable functions, for every application.

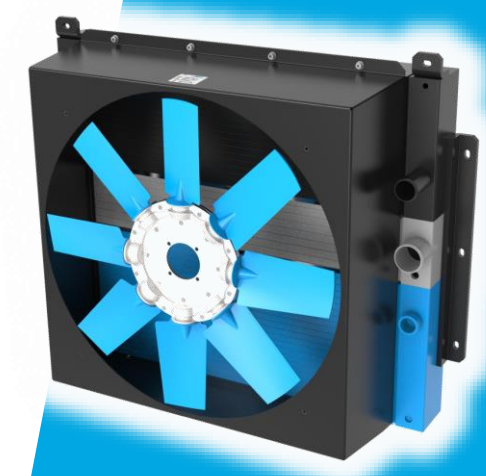
The system integration is defined by the required functions based on a cooling station, docking one or more variable sets.

- real compact design
- cost saving
- one system

Oil /Air Coolers / Special Ranges

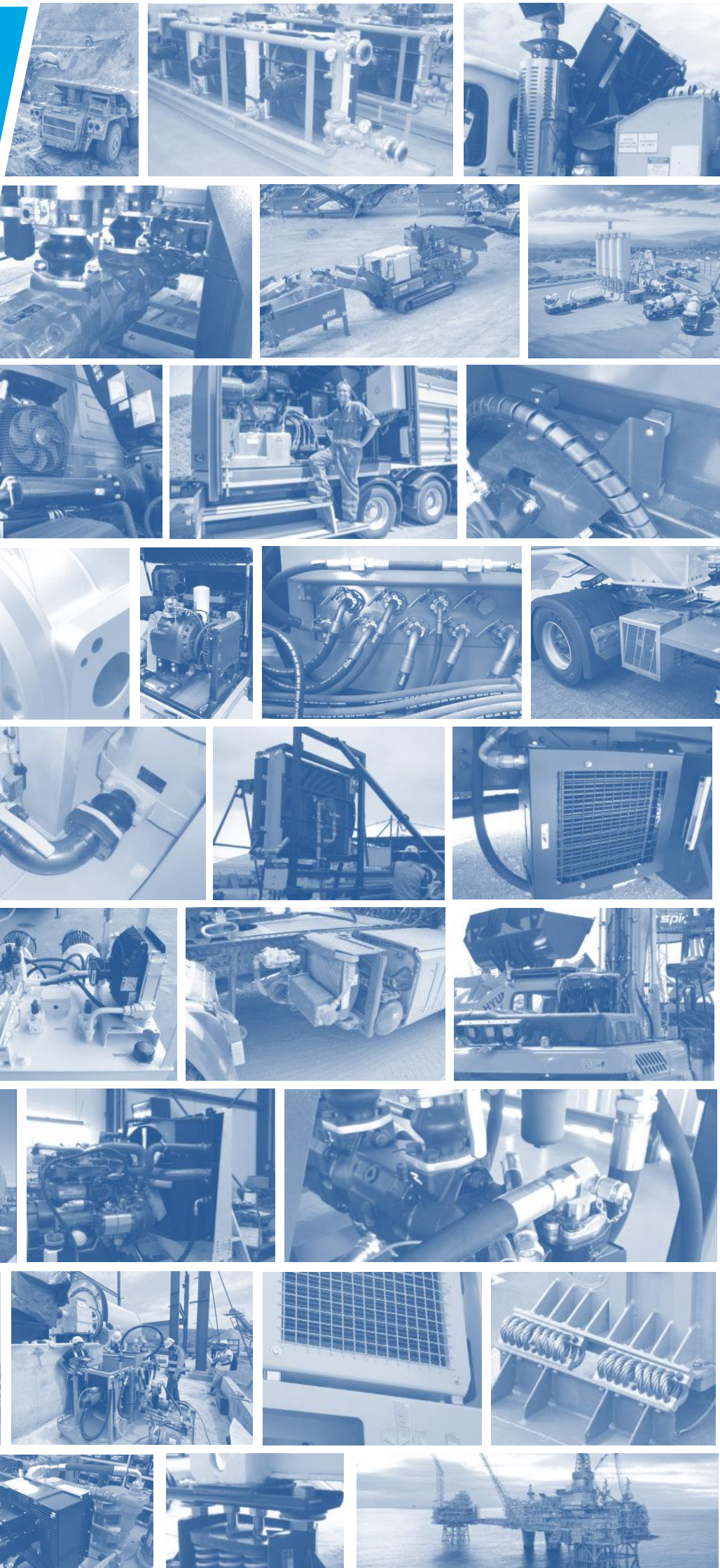
Our global business approach demands highest standards to our production facilities. We are equipped with the newest production machines and processes. Furthermore we are continuously upgrading the level of automation and quality. This ensures an appropriate environment for research and development as well as for customized projects.

We calculate, test and deliver complete thermal cooler packages for any application. Please contact us to learn more.



- real measured data
- test bench and wind channel
- best production capacities

discover reliable technology!



Thermal Systems
Connection Technology
Fluid Controls

be different.
make a difference.

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