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WAKING

Intercon Product Range

CHIP CONVEYOR

1. **ICON-KP Compact Type**
2. **ICON-D Double type**
3. **ICON-KF Drag type with Rotary Drum Filter**
4. **ICON-P Hinge Type**
5. **ICON-K Drag Type**

FILTRATION SYSTEM

1. **Gravity Band Filter**
2. **Compact Type Band Filter**
3. **Rotary Drum Filter**

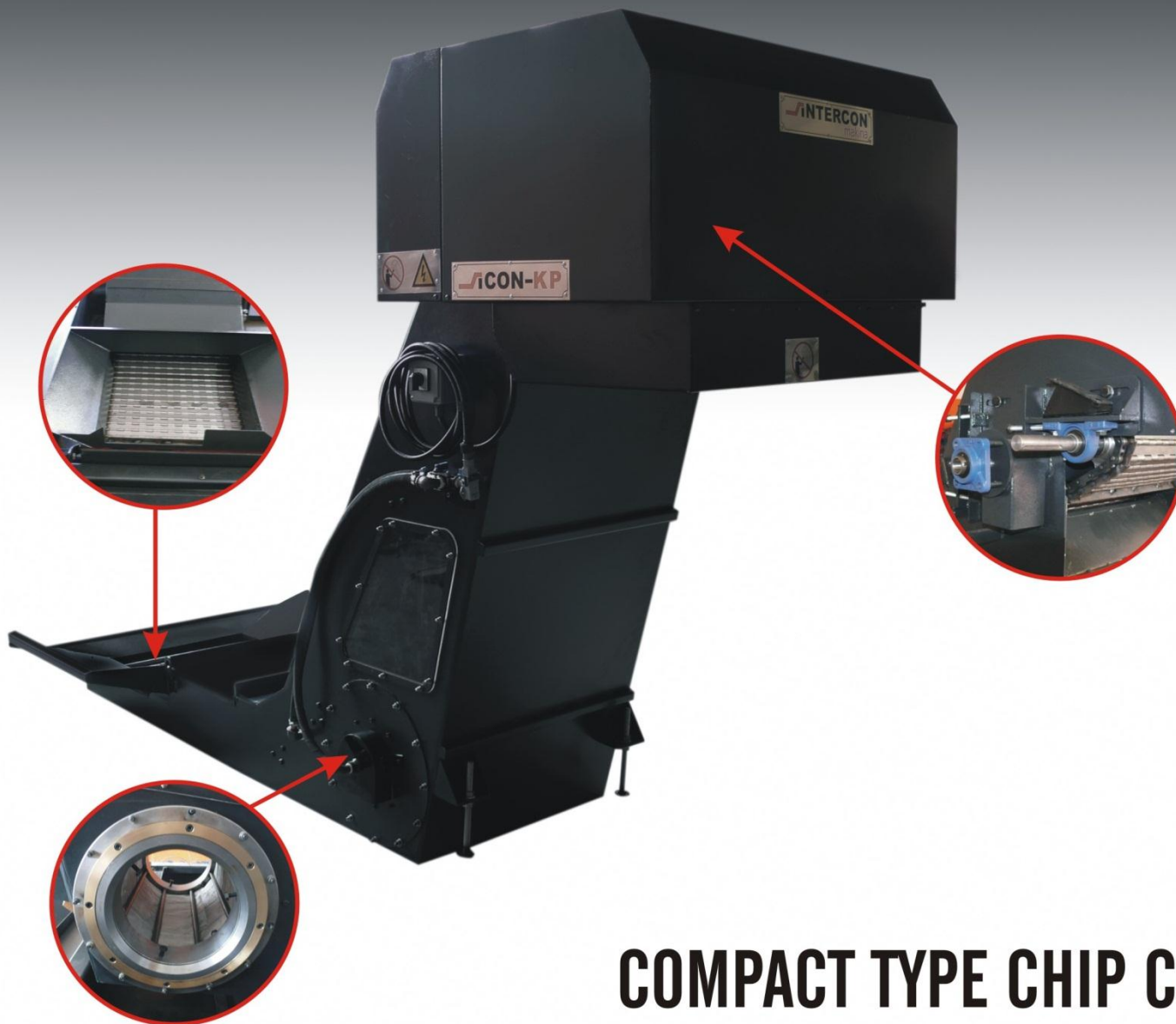
HIGH PRESSURE COOLANT SYSTEM

1. **With Compact Type Automatic Paper Filter**
2. **With Rotary Drum Filter**
3. **With Filter Bag**

Chip Conveyor

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COMPACT TYPE CHIP CONVEYOR

ICON-KP Compact Type Chip Conveyor



The universal conveyor system (Hinge type and drag type conveyor together)
With integrated rotary drum filter.



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ICON-D

DOUBLE TYPE CHIP CONVEYOR

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ICON-D Double Type Chip Conveyor

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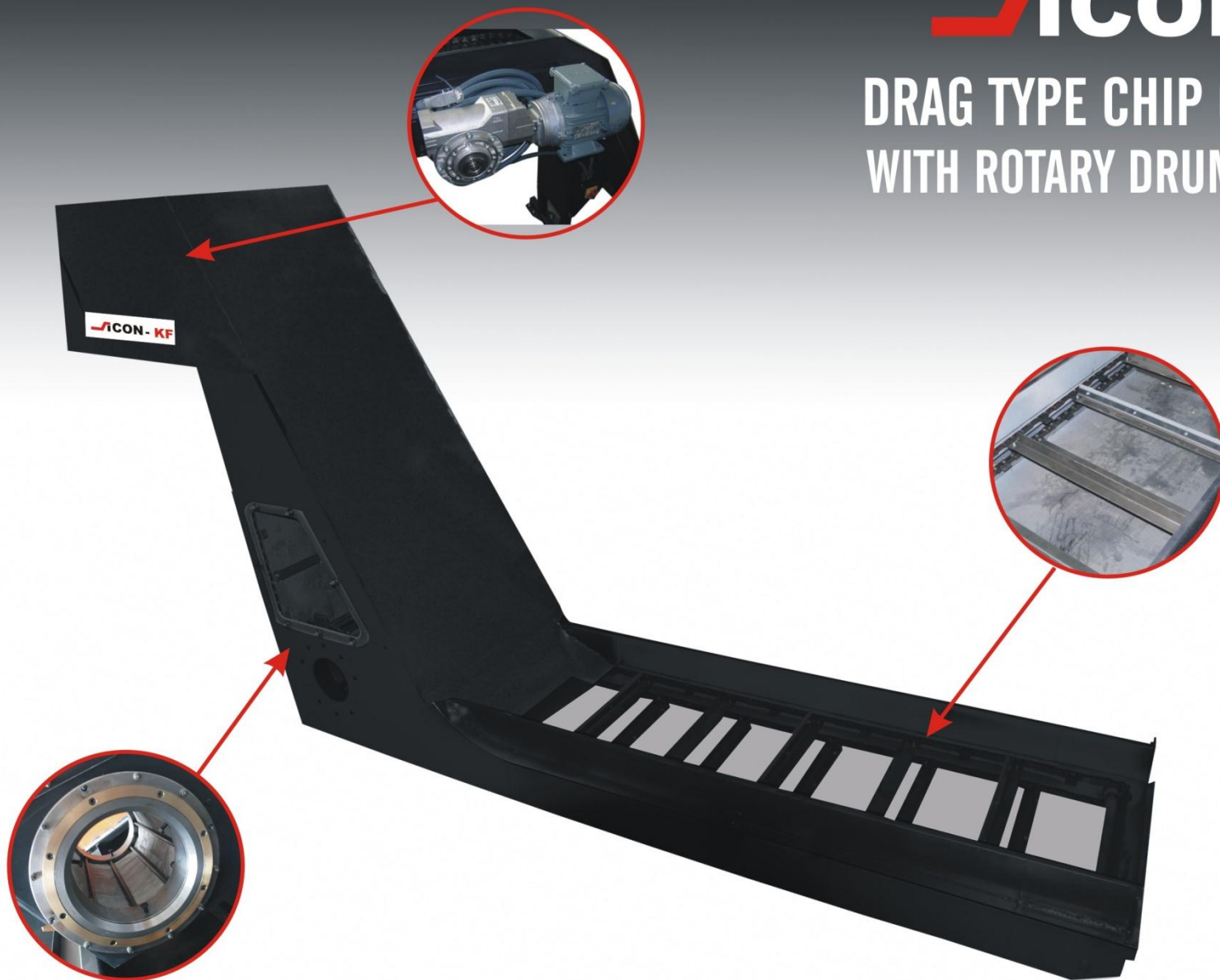
Hinge Type Chip Conveyor and Drag type Chip Conveyor With integrated rotary drum filter.



ICON-KF

**DRAG TYPE CHIP CONVEYOR
WITH ROTARY DRUM FILTER**

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ICON-KF

Drag Type Chip Conveyor with Integrated Rotary
Drum Filter

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ICON-KF

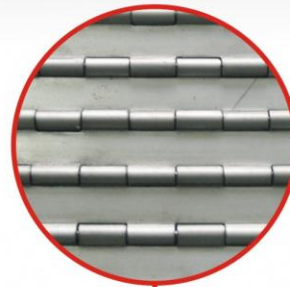
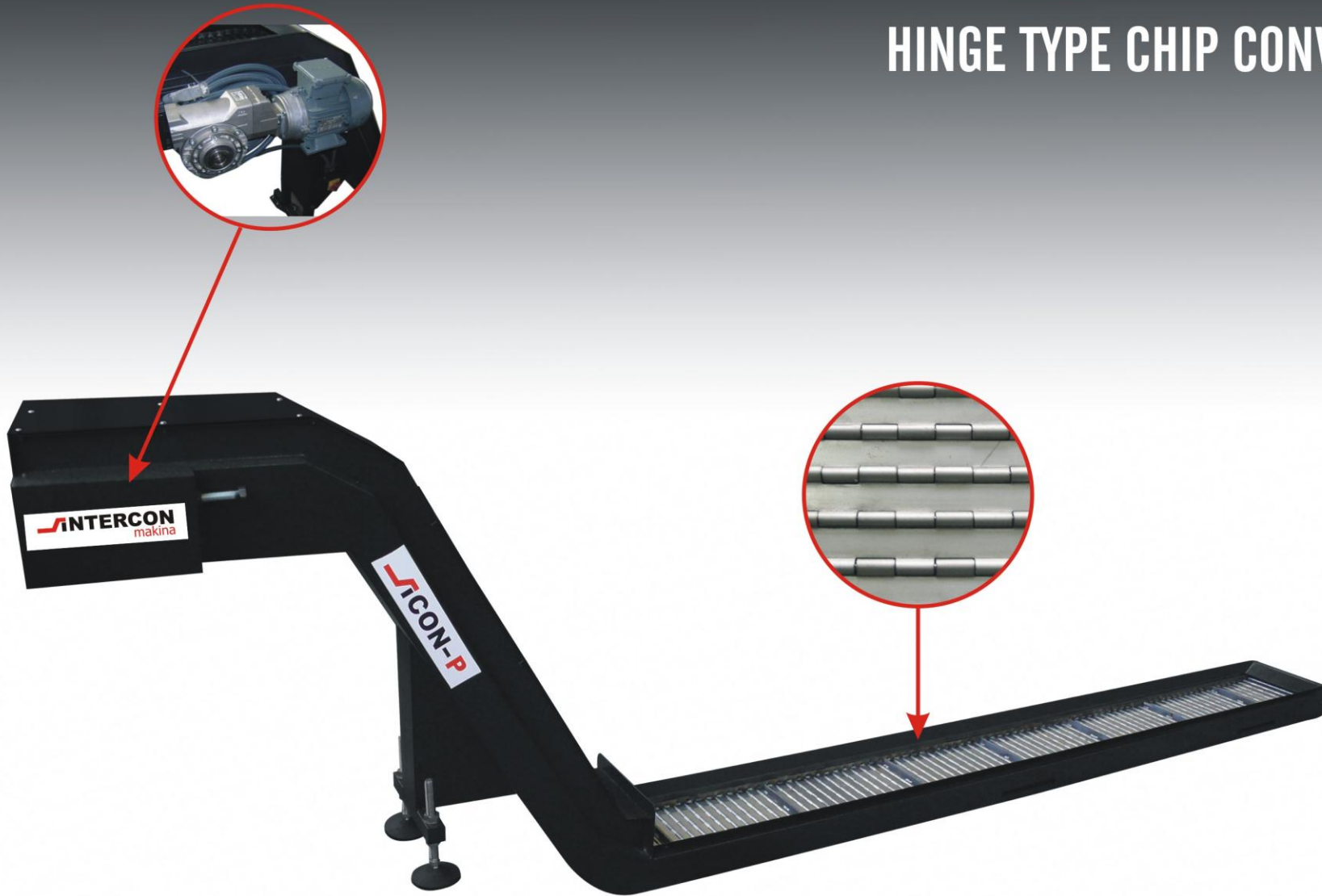
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ICON-P

HINGE TYPE CHIP CONVEYOR

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ICON-K

DRAG TYPE CHIP CONVEYOR

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ICON-P

Drag Type Chip Conveyor

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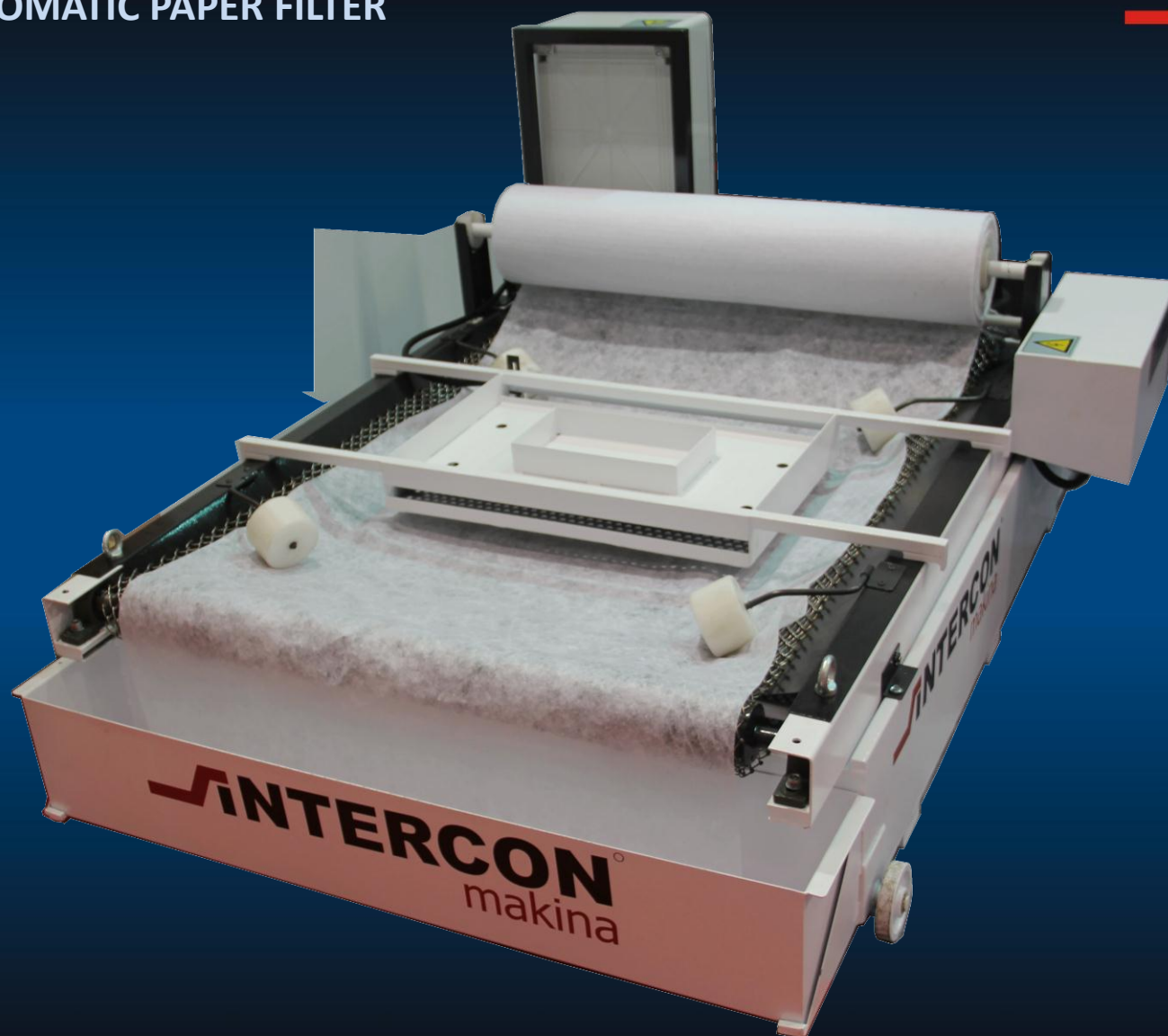


Filtration System

- . AUTOMATIC PAPER FILTER SYSTEM
- . COMPACT TYPE AUTOMATIC PAPER FILTER SYSTEM

AUTOMATIC PAPER FILTER

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**AUTOMATIC PAPER FILTER
For Grinding Machine**

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AUTOMATIC PAPER FILTER For Grinding Machine



Specifications:

Type : OKF 1000/1250

Filter capacity : 160 l/m (Emulsion $v=1\text{mm}^2/\text{s}$)

Filter surface : 1,25 m²

Volume of tank : 425 liter

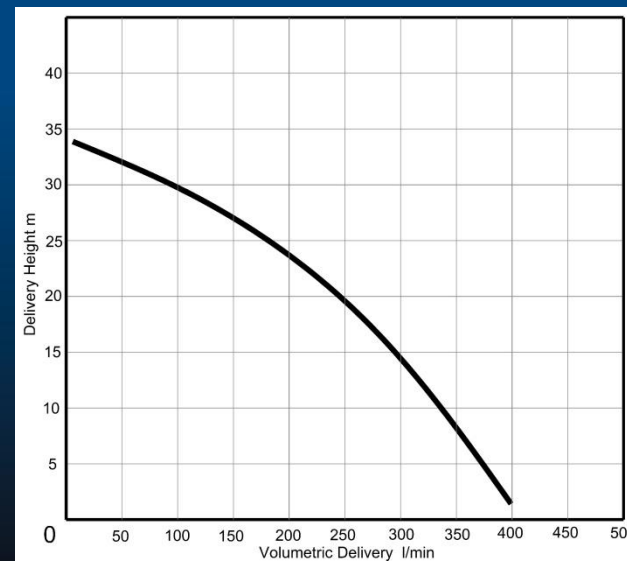
Filter Roll Width : 1000 mm

Dimensions (mm): Length 1950 x Width 1150 x Height 885

Drive power rating : 0,18 kW

Pump unit:

2,2 kW , 2840 rpm/min



Pump diagram

AUTOMATIC PAPER FILTER



Type	Filter Capacity L/m (Emulsion/Oil)	Volume of tank (L)	Filter surface (m2)	Filter roll width (mm)	Dimension (mm) A x B x C
OKF 500/1000	50 / 35	200	0,5	500	1450 x 650 x 885
OKF 500/1500	95 / 63	270	0,75	500	1950 x 650 x 885
OKF 750/1000	100 / 65	270	0,75	750	1450 x 900 x 885
OKF 750/1250	120 / 80	350	0,93	750	1750 x 900 x 885
OKF 750/1500	150 / 100	400	1,12	750	1950 x 900 x 885
OKF 750/2000	180 / 120	500	1,50	750	2450 x 900 x 885
OKF1000/1250	160 / 105	425	1,25	1000	1950 x 1150 x 885
OKF 1000/1500	180 / 120	500	1,50	1000	2200 x 1150 x 885
OKF 1000/1750	205 / 135	575	1,75	1000	2450 x 1150 x 885
OKF 1000/2000	260 / 170	650	2,00	1000	3000 x 1150 x 885
OKF 1000/2500	340 / 225	830	2,50	1000	
OKF 1000/3000	420 / 280	1000	3,00	1000	
OKF 1000/4000	560 / 375	1250	4,00	1000	
OKF 1250/3500	620 / 410	*	4,37	1250	
OKF 1250/5000	850 / 565	*	6,25	1250	
OKF 1500/4000	800 / 530	*	6,00	1500	
OKF 1500/5500	1000 / 665	*	8,25	1500	
OKF 1500/7000	1500 / 1000	*	10,50	1500	

- Emulsion 1 mm²/s , Oil 10 mm²/s

Filter paper fed automatically by reliable level control.

Deep filter-bed, long dryer distance for sludge transfer.

Compact, proven modular construction system.

Optimal filtration and use of filter paper by specially developed attached transport gear.

Cost effective standard model range of capacity 30 - 1500 l/min.

Easy sludge evacuation.

Principle of function

The waste liquids flow through the paper. A transport belt with depression through forms an optimal filter bed. The waste from the treated liquid forms a sludge cake.

As the sludge accumulates, the rising liquid level triggers a level sensor which advances the filter paper transport belt. This action brings into use clean paper, and at the same time transfers the sludge cake into a sludge tank, as a result the liquid level falls again.

Utilization / Employment

Continuous liquid cleaning for a large range of applications. Attainable degree of purity, depending on paper, 10 - 50 μ .

Standard model includes

An upper paper-filter-selection with automatic traction and level control,
inlet-case,
Cooland liquid pump,
sludge tank,
liquid tank and one roll of filter paper.

Accessories

Paper roll cover
Filter bed cover
Castors
Filter paper control
Automatic paper filter combined with magnetic separator
Cooling system

Automatic paper filter combined with magnetic separator

The magnetic drum rotates against the flow of the waste liquid and separates out the ferromagnetic particles. The precleaned liquid is then passed over the filter paper for final cleaning.

The cleaned liquid is collected in a tank underneath and the ferromagnetic particles are deposited in a sludge tank.

Drive power rating

OKF 500/1000.....OKF 1000/1500 0,18 kW
OKF 1000/1750.....OKF 1000/3000 0,25 kW
OKF 1000/4000.....OKF 1500/7000 0,37 kW

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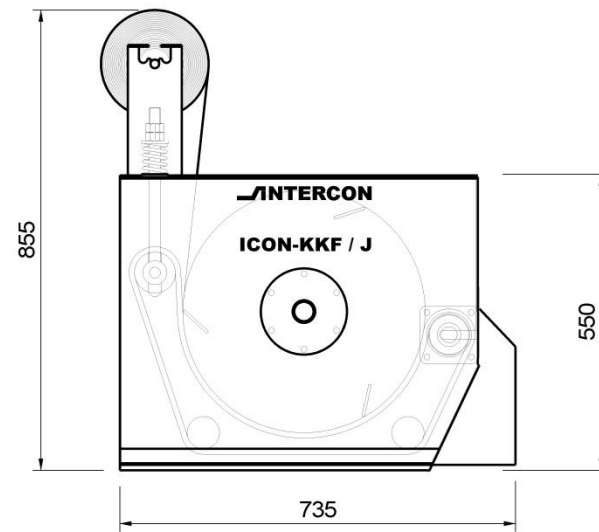
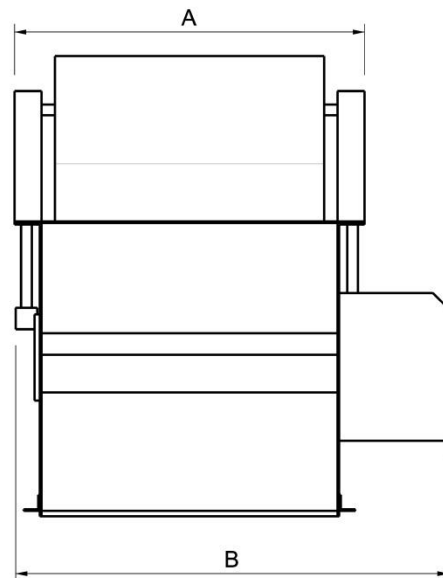
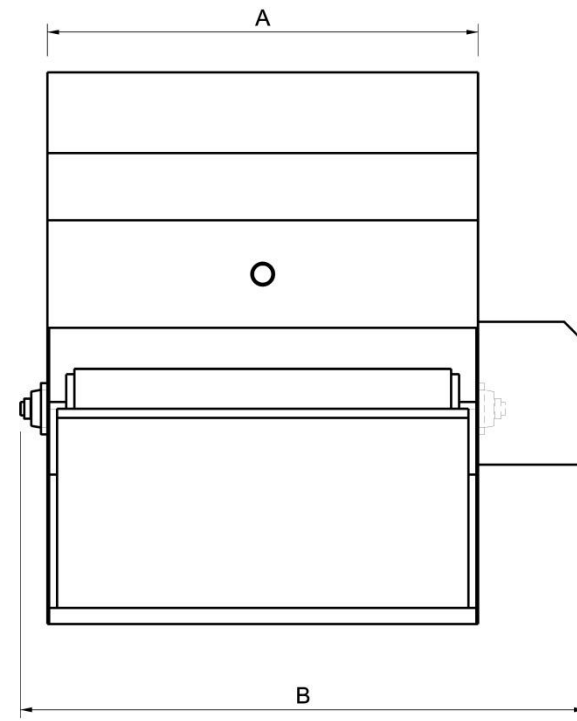
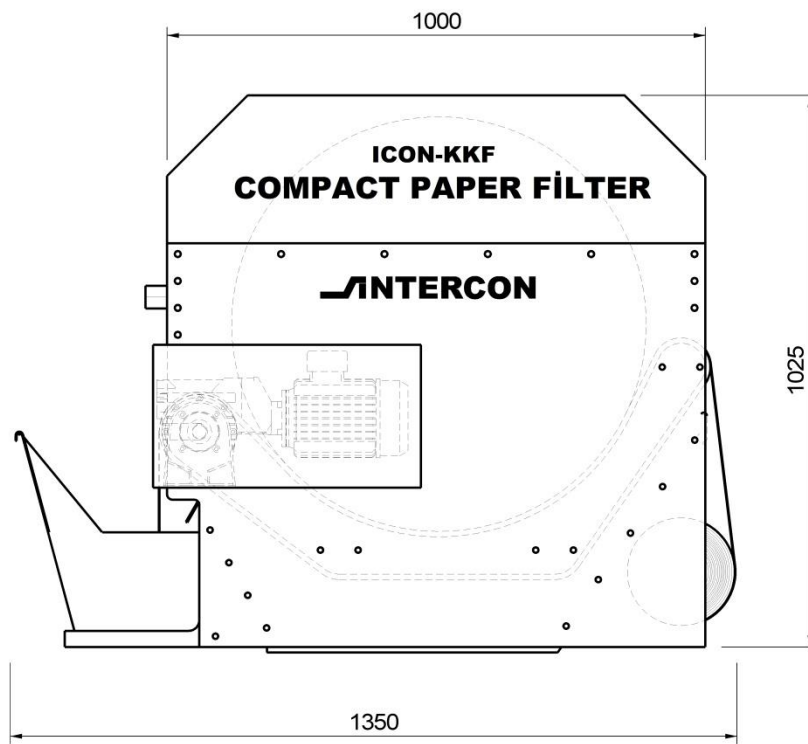
COMPACT TYPE AUTOMATIC PAPER FILTER

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ICON KKF/j-150



ICON KKF-350



COMPACT TYPE AUTOMATIC PAPER FILTER



Type	Filter Capacity Emulsion (l/m)	Filter Capacity Oil (l / m)	A (mm)	B (mm)	Filter Roll Width (mm)
KKF/J - 150	150	100	650	800	500
KKF/J - 250	250	165	850	1000	700
KKF - 350	350	230	800	1050	700
KKF - 600	600	400	1100	1350	1000

- Viskosite Emulsion 1 mm²/s , Oil 10 mm²/s

Option:

Automatic paper filter combined with magnetic separator

The magnetic drum rotates against the flow of the waste liquid and separates out the ferromagnetic particles. The precleaned liquid is then passed over the filter paper for final cleaning.

HIGH PRESSURE COOLANT SYSTEMS

- . COMPACT TYPE AUTOMATIC PAPER FILTER SYSTEM.
- . ROTARY DRUM FILTER SYSTEM.
- . FILTER BAG SYSTEM.

HIGH PRESSURE COOLANT SYSTEM
WITH COMPACT TYPE AUTOMATIC
FILTER SYSTEM

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ICON-YB
With KKF-350



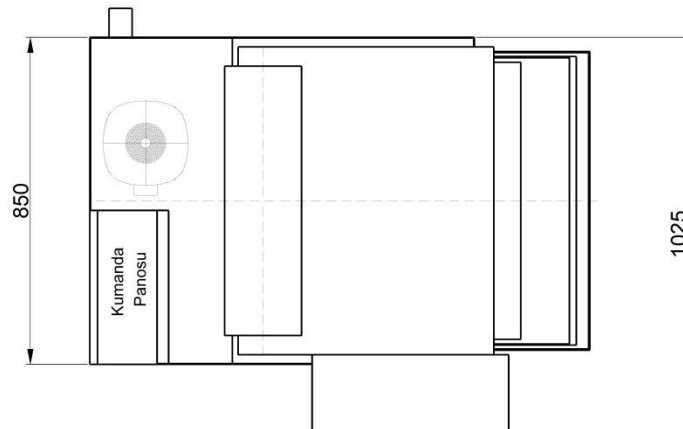
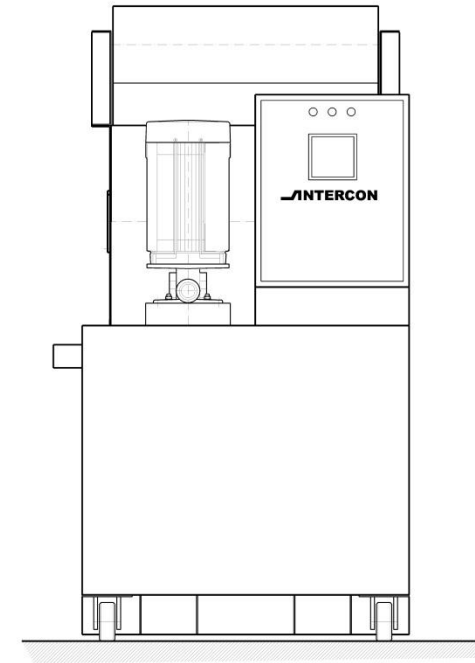
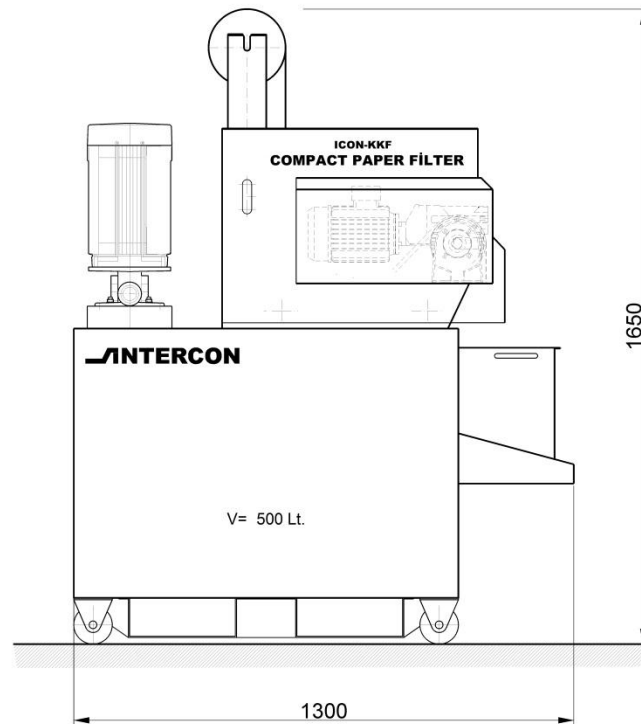
HIGH PRESSURE COOLANT SYSTEM
WITH COMPACT TYPE AUTOMATIC
FILTER SYSTEM



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ICON-YB
With KKF/J-150

HIGH PRESSURE COOLAND SYSTEM WITH KKF/J-150 SERIES COMPACT PAPER FILTER



Standart Unit:

Clean tank	500 liter
High Pressure Pump	50 Bar
	70 Bar
	140 Bar
	70 / 140 Bar
Filter Capacity	150 l/m ($v=1 \text{ mm}^2/\text{s}$)
Control panel	
By-pass reliev valve	

HIGH PRESSURE COOLANT SYSTEM WITH COMPACT PAPER FILTER



STANDARD EQUIPMENT

- . Clean tank 500.....1000 liter
- . High Pressure Pump 15.....140 Bar
- . Control panel
- . By-pass relieve valve
- . Pressure switch
- . Level switch
- . Compact Type Automatic Paper Filter system
- . Type 1 KKF/J-150 or KKF/J-250
- . Type 2 KKF – 350 or KKF - 600

OPTIONS:

- . Magnetic Seperator.
- . Refrigerator unit for storage tank.
- . PLC controller.
- . Oil skimmer
- . Wash gun.
- . Automatic adjustable pressure
3 pressure stages , 7 pressure stages.

HIGH PRESSURE COOLANT SYSTEM
WITH ROTARY DRUM FILTER

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ICON-YB
With RDF



HIGH PRESSURE COOLANT SYSTEM
WITH FILTER BAG



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ICON-YB
With BF

CHIP RECYCLING SYSTEM

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PARTS CONVEYOR

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