

Tekupit Oy

We offer a wide range of accessories for machine tools.

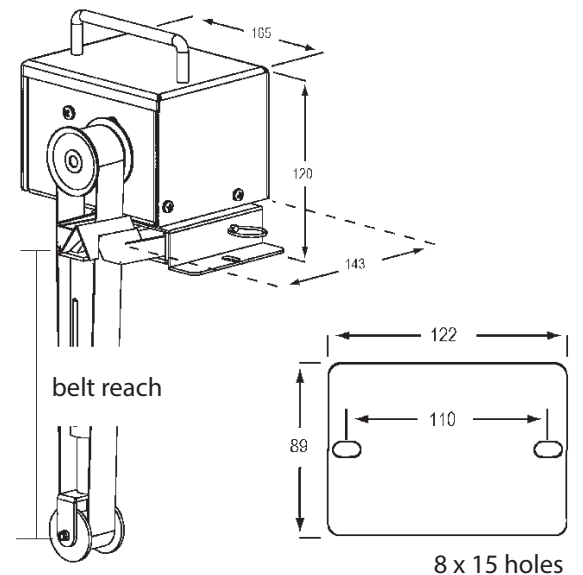
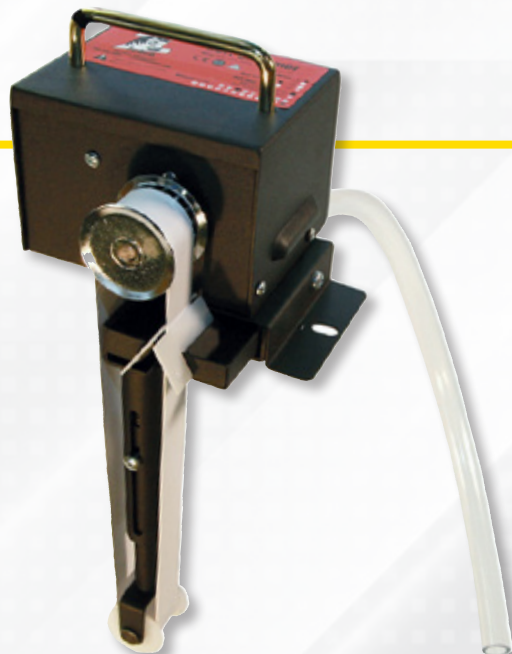
We deliver custom-made hinged belt conveyors, drag conveyors, and magnetic conveyors.

Our warehouse stocks more than 40 different coolant pumps.

LEARN MORE ABOUT OUR PRODUCTS AND CONTACT US! Tel. +358 40 7090 509 • sales@tekupit.fi

BELT SKIMMER

- Heavy-duty steel construction
- Removable and easy-to-clean collection tray
- Self-tightening belt with fixed lower pulley (lengths ranging from 8" to 24")
- Oil removal capacity: 3.8 L/h
- Choose your size: reach from 8" to 72"
- Heat-tolerant steel belts available for washers
- Two-year warranty for the motor and gearbox
- 230 V models include an external timer as standard
- 230 V or 115 V



TYPE	BELT	TEMPERATURE
BPF1-08E	8" (200 mm x 25 mm)	4°C - 27°C
BPF1-12E	12" (300 mm x 25 mm)	4°C - 27°C
BPF1-18E	18" (450 mm x 25 mm)	4°C - 27°C
BPF1-24E	24" (600 mm x 25 mm)	4°C - 27°C
BPF1-36E	36" (910 mm x 25 mm)	4°C - 27°C
BPF1-48E	48" (1220 mm x 25 mm)	4°C - 27°C
BPF1-60E	60" (1520 mm x 25 mm)	4°C - 27°C
BPF1-72E	72" (1820 mm x 25 mm)	4°C - 27°C
BPF2-08E	8" (200 mm x 50 mm)	4°C - 27°C
BPF2-12E	12" (300 mm x 50 mm)	4°C - 27°C
BPF2-24E	24" (600 mm x 50 mm)	4°C - 27°C
BSF1-08E	8" (200 mm x 25 mm)	15°C - 100°C
BSF1-12E	12" (300 mm x 25 mm)	15°C - 100°C
BSF1-18E	18" (450 mm x 25 mm)	15°C - 100°C
BSF1-24E	24" (600 mm x 25 mm)	15°C - 100°C

SIDEWINDER Tube Skimmer

- Skims beneath conveyors, in hard-to-access areas, or enclosed sumps
- Oil removal capacity 0.9 L/h
- Choose the size you need: from standard 8" to 98"
- 230 V or 115 V
- Two-year warranty for the motor and gearbox
- 230 V models include an external timer as standard

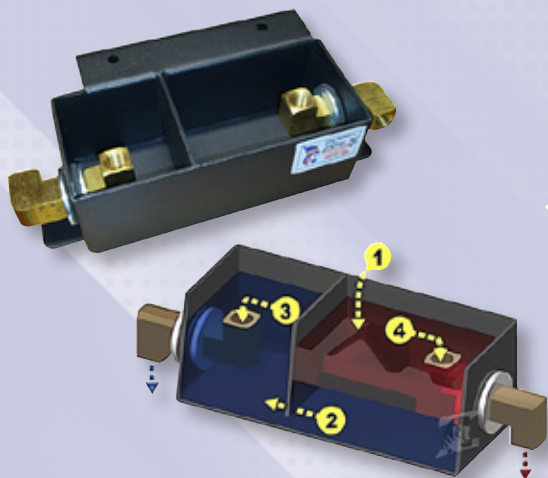


ACCESSORIES FOR BELT AND TUBE SKIMMERS

Note! Lockjaw™ requires a diverter to operate.

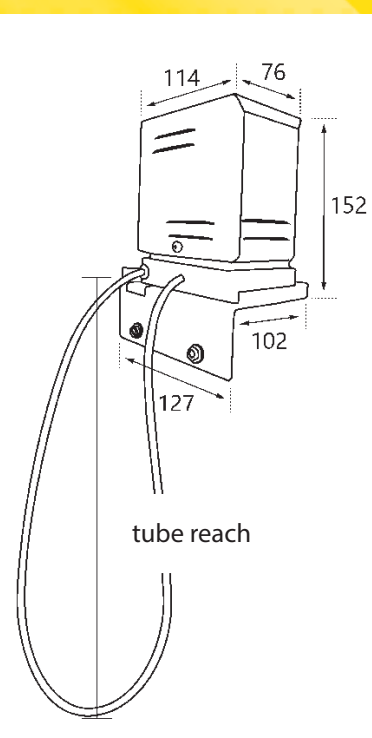


LOCKJAW™ quick-release attachment



DIVERTER™

1. Oil (tramp and coolant) enter here.
2. Coolant sinks and passes under this wall.
3. Clean coolant returns to your tank here.
4. Tramp oils discharge to waste container here.



TYPE	TUBE REACH
ZVA8-08E	8" (200 mm)
ZVA8-11E	11" (270 mm)
ZVA8-14E	14" (350 mm)
ZVA8-17E	17" (400 mm)
ZVA8-20E	20" (510 mm)
ZVA8-23E	23" (580 mm)
ZVA8-26E	26" (660 mm)
ZVA8-29E	29" (730 mm)
ZVA8-41E	41" (1040 mm)
ZVA8-62E	62" (1570 mm)
ZVA8-98E	98" (2480 mm)

MORE INFORMATION www.tekupit.fi/en



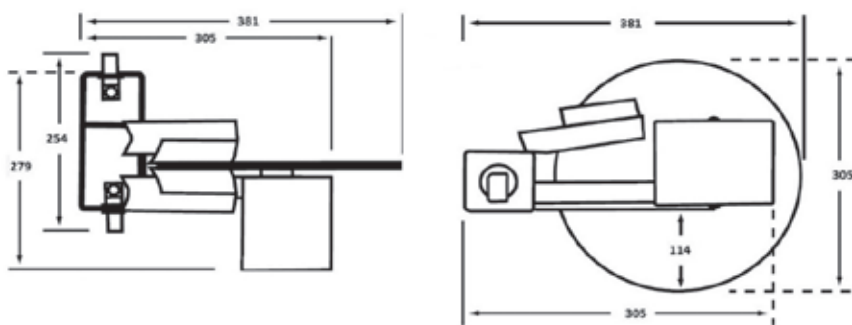
SMART DISK SKIMMER

- Separates floating tramp oils from coolant, so no coolant is wasted
- Oil removal capacity 1.9 L/h
- Two disk sizes \varnothing 300 mm and \varnothing 460 mm
- 230 V
- Heavy-duty steel construction
- Two-year warranty for the motor and gearbox
- External timer included as standard
- Heat-tolerant disks available for washers (100 °C)

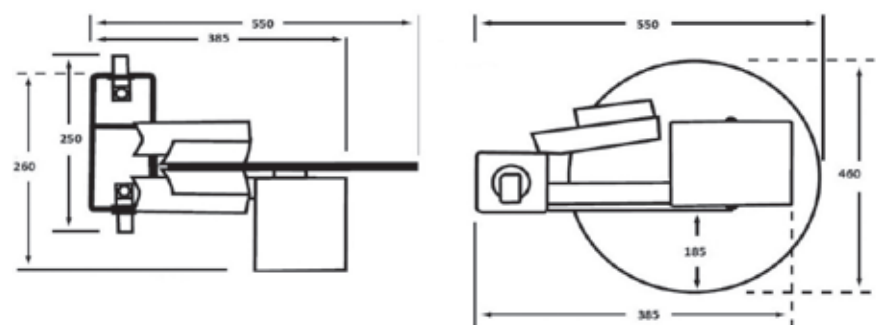


TYPE	DISK	REACH FROM MOUNTING POINT	MAX TEMPERATURE
GS4H300E	12" (300 mm)	4.5" (114.3 mm)	32°C (90°F)
GS4H460E	18" (460 mm)	7.0" (178.8 mm)	32°C (90°F)
GS4W300E	12" (300 mm)	4.5" (114.3 mm)	100°C (212°F)
GS4W460E	18" (460 mm)	7.0" (178.8 mm)	100°C (212°F)

GS4H300E



GS4H460E



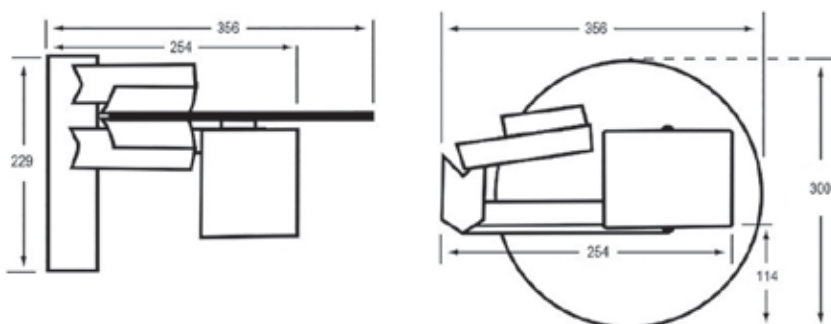
SIMPLE DISK SKIMMER

- Handles heavy oil loads from coolant
- Oil removal capacity up to 18.9 L/h
- Two disk sizes \varnothing 300 mm and \varnothing 460 mm
- 230 V
- Two-year warranty for the motor and gearbox
- External timer included as standard
- Heat-tolerant disks available for washers (100 °C)

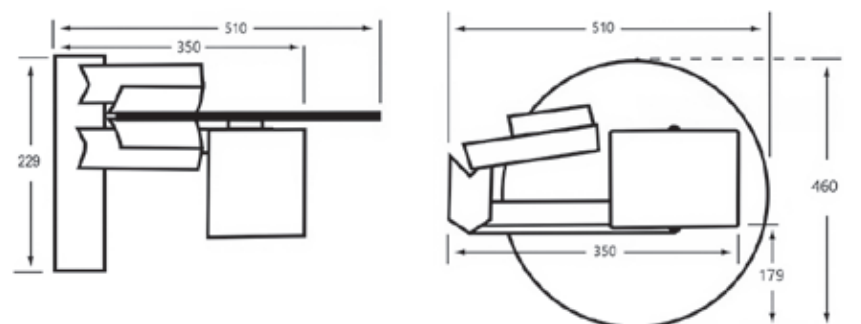


TYPE	DISK	REACH FROM MOUNTING POINT	MAX TEMPERATURE
LH300E	12" (300 mm)	4.5" (114.3 mm)	32°C (90°F)
LH460E	18" (460 mm)	7.0" (178.8 mm)	32°C (90°F)
LW300E	12" (300 mm)	4.5" (114.3 mm)	100°C (212°F)
LW460E	18" (460 mm)	7.0" (178.8 mm)	100°C (212°F)

LH300E



LH460E



COOLANT PUMPS

ACP-HMFS

Used in CNC lathes and CNC machining centers because they withstand high pressure and provide sufficient flow rate.

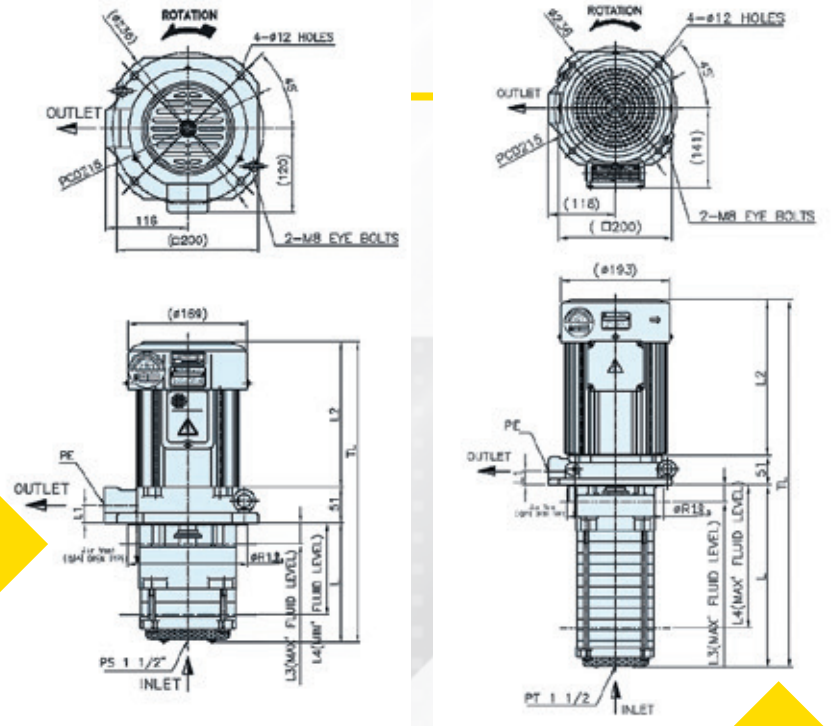
Used as original equipment, for example in South Korean machine tools such as DN Solutions, Hyundai, Samsung, and Hwacheon.

Heat transfer between the motor and the pump is very minimal.



ACP-1100HMFS 45

- ACP-1800HMFS 70
- ACP-2500HMFS 100
- ACP-4000HMFS 145



TYPE	L	L1	L2	L3	L4	TL	ØR1	PE
1100HMFS	170	25	212	30	130	433	170	PS 3/4"
1800HMFS	190	25	214	30	150	455	170	PS 3/4"
2500HMFS	245	25	231	30	177	527	170	PS 3/4"
4000HMFS	325	25	276	30	253	652	170	PS 3/4"

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	IMMERSION DEPTH (mm)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACP-1100HMFS 45	30	3.0	3/4"	170	1.1	50	200/380	4.4/2.5	26
ACP-1800HMFS 70	30	5.5	3/4"	190	1.8	50	200/380	6.6/3.8	30
ACP-2500HMFS 100	30	7.5	3/4"	245	2.5	50	200/380	9.2/5.3	38
ACP-4000HMFS 145	30	11.0	3/4"	325	4.0	50	200/380	14.2/8.2	49

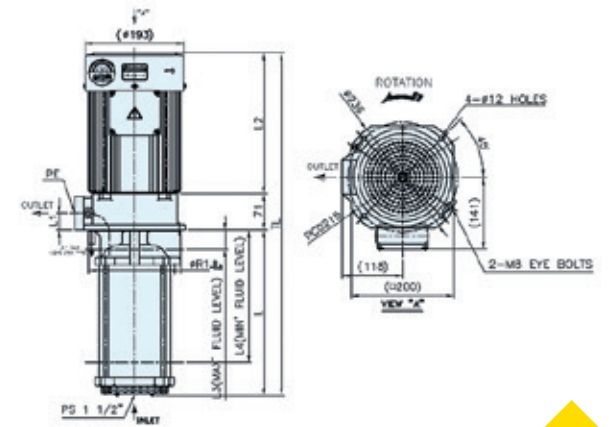
COOLANT PUMPS

ACP-HMFD

Used in CNC lathes and CNC machining centers because they withstand high pressure and provide sufficient flow rate.

Used as original equipment, for example in South Korean machine tools such as DN Solutions, Hyundai, Samsung, and Hwacheon.

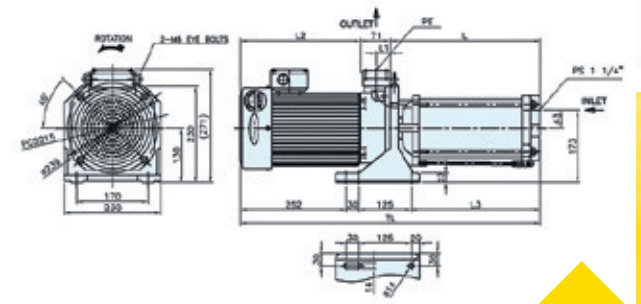
Heat transfer between the motor and the pump is very minimal.



ACP-4000HMFD 200V

TYPE	L	L1	L2	L3	TL	PE
ACP-4000HMFD 200H	335	33	276	309	682	PS 3/4"

TYPE	L	L1	L2	L3	L4	TL	ØR1	PE
4000HMFD 200V	325	33	276	38	260	672	180	PS 3/4"



ACP-4000HMFD 200H

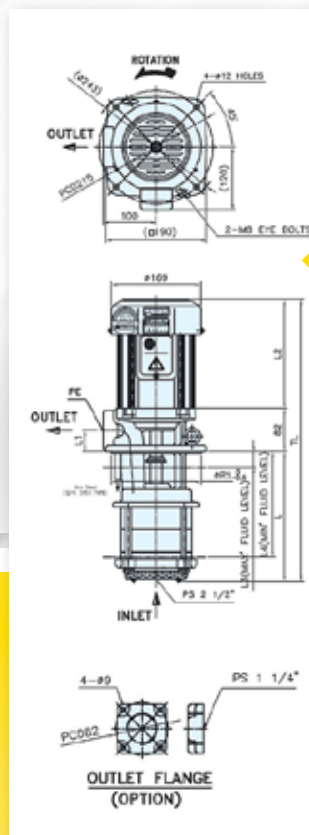
TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	IMMERSION DEPTH (mm)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACP-4000HMFD 200V (H)	20	13.5	-(1 1/4")	325 (-)	4.0	50	200/380	14.2/8.2	65

COOLANT PUMPS

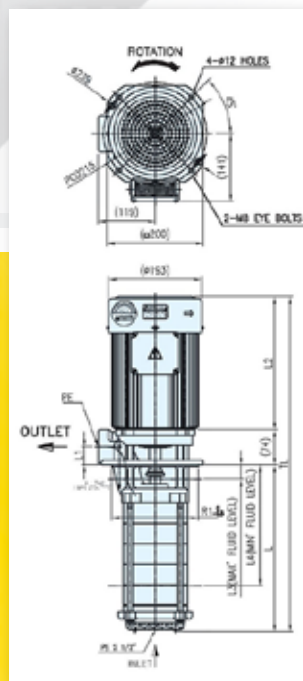
ACP-MF(S)

Pumps in this series are mainly used to flush chips from inside the machine to the chip conveyor or the tank.

The pump is designed so that heat transfer is minimal between the motor and the pump.



ACP-400MFS,
ACP-1100MF(S)



ACP-1800MF,
ACP-4000MF

TYPE	L	L1	L2	L3	L4	TL	ØR1	PE
ACP-400MFS	210	40	212	30	167	504	170	PS 1 1/4"
ACP-1100MF	245	40	212	30	200	539	170	PS 1 1/4"
ACP-1100MFS	214	40	212	30	167	508	170	PS 1 1/4"
ACP-1800MF	280	38	214	30	182	568	180	PS 1 1/2"
ACP-4000MF	350	38	276	30	251	700	180	PS 1 1/2"

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	IMMERSION DEPTH (mm)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACP-400MFS	140	0.5	1 1/4"	210	0.4	50	200	2.6	24
ACP-1100MF(S)	150	1.0	1 1/4"	245 (214)	1.1	50	200/380	4.4/2.5	27 (26)
ACP-1800MF	250	1.0	1 1/2"	280	1.8	50	200/380	6.6/3.8	38
ACP-4000MF	310	1.0	1 1/2"	350	4.0	50	200/380	14.2/8.2	46

COOLANT PUMPS

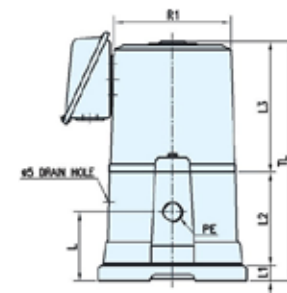
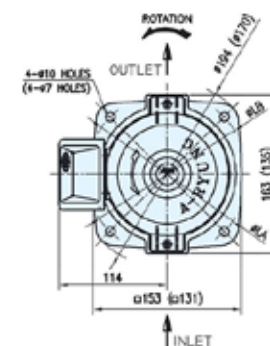
ACP-A

The pumps are self-priming and easy to install in small spaces.

This series is used for many different applications depending on the customer's needs.

After installation, the pump must be filled completely with liquid through the filling port.

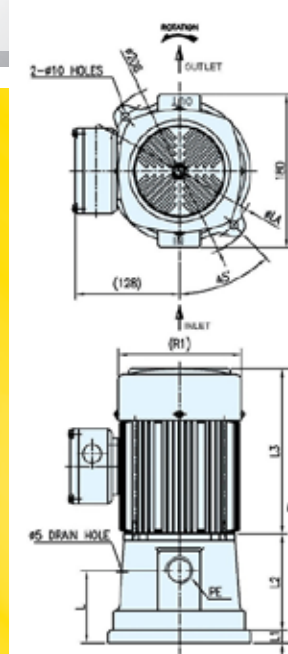
Always ensure that the pump starts pumping within 30 seconds of startup!



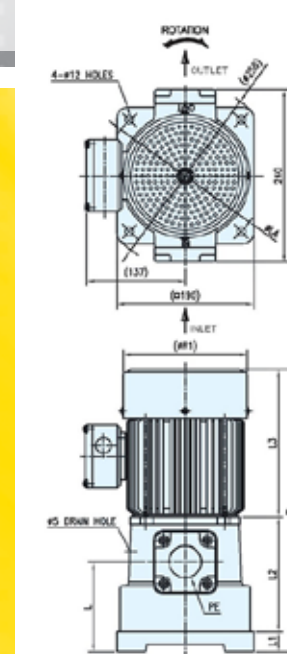
ACP-61A, ACP-101A, ACP-181A, ACP-251A

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACP-61A	20	0.2	3/8"	0.06	50	200/380	0.40/0.24	7.5
ACP-101A	30	0.2	3/8"	0.10	50	200/380	0.50/0.29	8.0
ACP-181A	53	0.3	1/2"	0.18	50	200/380	1.00/0.58	12.0
ACP-251A	85	0.4	3/4"	0.25	50	200/380	1.50/0.87	13.0
ACP-401A	125	0.5	1"	0.40	50	200/380	2.60/1.50	14.5
ACP-1101A	190	0.6	1 1/2"	1.10	50	200/380	4.40/2.50	32.0

TYPE	L	L1	L2	L3	TL	ØR1	ØLA	ØLB	PE
ACP-61A	53	16	72	115	203	93	132	130	2-PS 3/8"
ACP-101A	53	16	72	115	203	93	132	150	2-PS 3/8"
ACP-181A	75	16	96	135	247	120	160	164	2-PS 1/2"
ACP-251A	71	16	96	135	247	120	160	170	2-PS 3/4"
ACP-401A	87	15	105	194	314	145	180	-	2-PS 1"
ACP-1101A	125	28	160	205	393	172	220	-	2-PS 1 1/2"



ACP-401A



ACP-1101A

COOLANT PUMPS

ACP-F/HF

Pumps in this series are submersible.
The pump part is immersed in the tank.

Dry running is not an issue, as this series
does not have a mechanical seal.

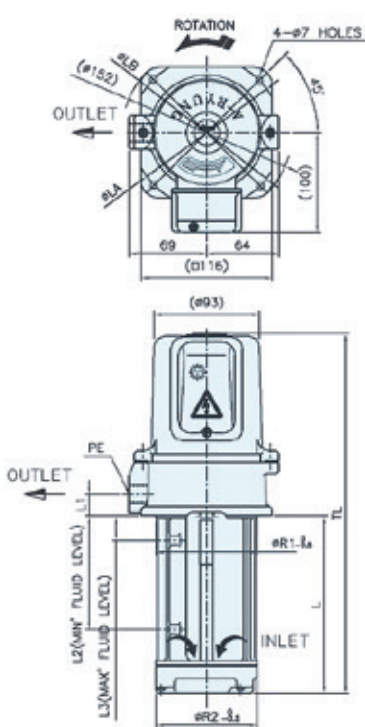
The pump is compact in size and is widely
used in conventional machine tools.



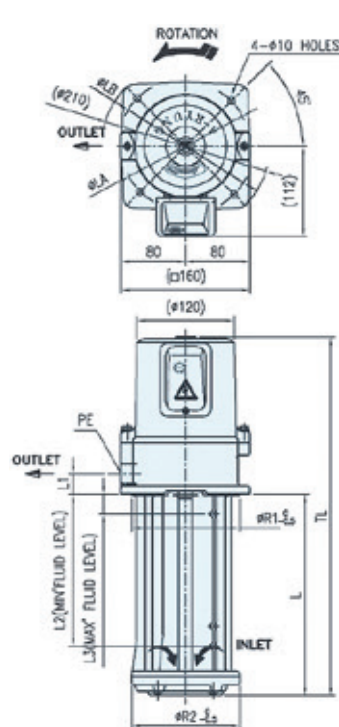
TYPE	L	L1	L2	L3	TL	ØR1	ØR2	PE
ACP-400HF 18	180	29	110	20	420	152	146	PS 1"
ACP-400HF 28	280	29	209	30	520	152	146	PS 1"
ACP-600HF 18	180	30	123	30	433	152	146	PS 1"

TYPE	L	L1	L2	L3	TL	ØR1	ØR2	ØLA	ØLB	PE
ACP-60F	153	19	100	20	316	90	90	132 (130)	130 (130)	PS 3/8"
ACP-100F	158	19	100	20	320	90	90	132 (130)	134 (130)	PS 3/8"
ACP-180F	180	20	118	25	365	115	115	160 (160)	134 (160)	PS 1/2"
ACP-250F	258	25	165	25	456	134	134	160 (160)	170 (160)	PS 3/4"
ACP-400F	280	28	160	65	515	151	145	180 (180)	-	PS 1"

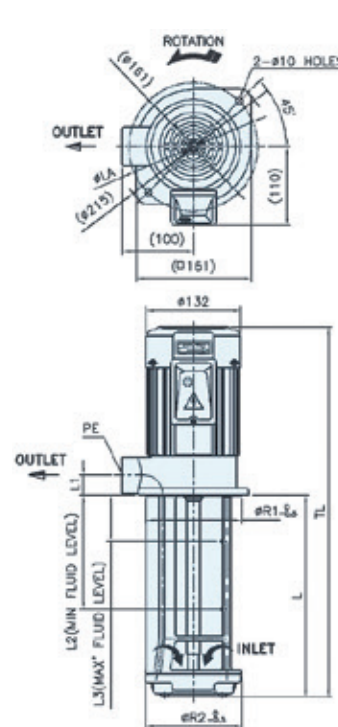
TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	IMMERSION DEPTH (mm)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACP-60F	25	0.2	3/8"	153	0.06	50	200/380	0.40/0.24	7.5
ACP-100F	35	0.2	3/8"	158	0.10	50	200/380	0.50/0.29	8.0
ACP-180F	75	0.3	1/2"	180	0.18	50	200/380	1.00/0.58	12.0
ACP-250F	120	0.4	3/4"	258	0.25	50	200/380	1.50/0.87	13.0
ACP-400F	140	0.5	1"	280	0.40	50	200/380	2.60/1.50	14.5
ACP-400HF 18	40	1.0	1"	180	0.40	50	200/380	2.60/1.50	18.0
ACP-400HF 28	40	1.0	1"	280	0.40	50	200/380	2.60/1.50	19.5
ACP-600HF 18	60	1.0	1"	180	0.60	50	200/380	3.00/1.70	19



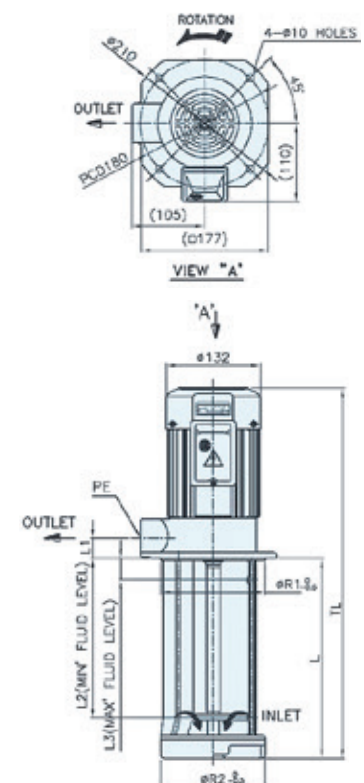
ACP-60F, ACP-100F



ACP-180F, ACP-250F



ACP-400F



ACP-400HF 18/28

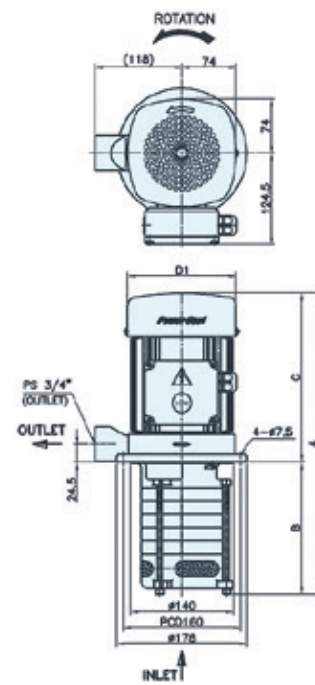
COOLANT PUMPS

ACHK

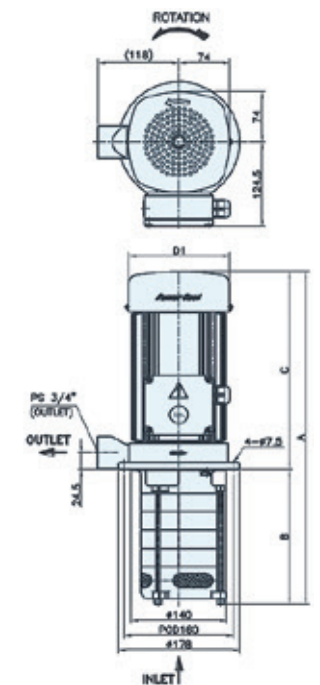
Thanks to their dimensions, pumps in this series can easily be used as replacements in Mori Seiki and Mazak machine tools.

The pumps are mostly made of stainless steel.

The pump's mechanical seal is made of FKM, which withstands high temperatures and ensures a long service life.



ACHK2



ACHK4

TYPE	A	B	C	D1
ACHK 2-60/6	462	198	264	145
ACHK 2-60/6-L	462	198	264	145
ACHK 2-100/6	560	270	290	145
ACHK 4-30/3	437	171	266	145
ACHK 4-40/4	467	198	269	145
ACHK 4-70/5	563	279	284	145

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	IMMERSION DEPTH (mm)	OUTLET	OUTPUT (kW)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACHK 2-60/6	40	4.0	198	3/4"	1.1	200/380	4.48/2.36	13.8
ACHK 2-60/6-L	30	4.7	198	3/4"	1.1	200/380	4.20/2.40	13.8
ACHK 2-100/6	40	4.0	270	3/4"	1.1	200/380	4.48/2.36	16.8
ACHK 4-30/3	100	1.3	171	3/4"	0.75	200/380	4.00/2.10	13.1
ACHK 4-40/4	100	1.3	198	3/4"	1.1	200/380	4.48/2.36	15.0
ACHK 4-70/5	100	2.6	285	3/4"	1.1	200/380	4.48/2.36	16.4

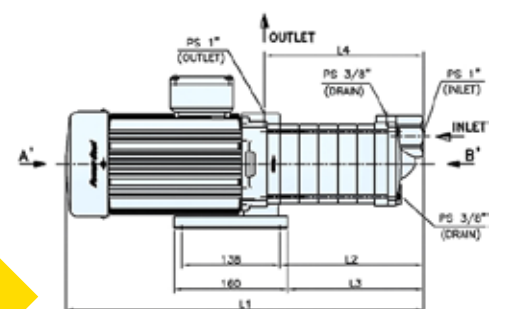
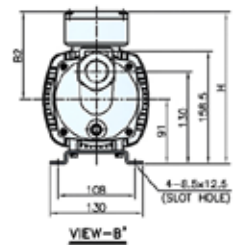
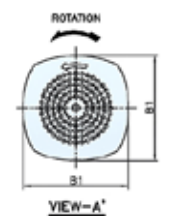
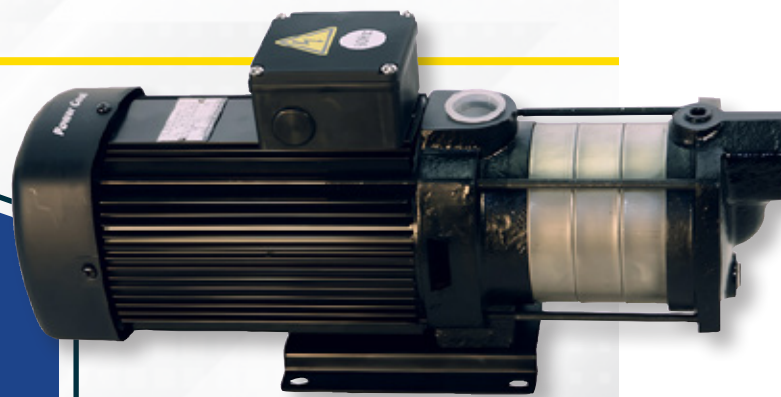
COOLANT PUMPS

ACH

Pumps in this series are installed horizontally. They are easy to install in small spaces thanks to their compact size.

The pumps are mostly made of stainless steel.

The pump's mechanical seal is made of FKM, which withstands high temperatures and ensures a long service life.



ACH2, ACH4

TYPE	L1	L2	L3	L4	H
ACH 2-60	458	158	146	179	214
ACH 4-40	474	149	137	170	214

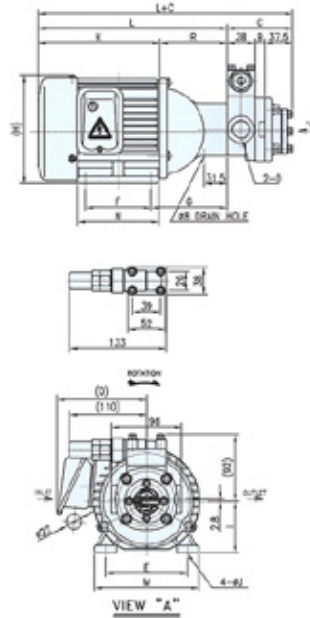
TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	INLET	OUTPUT (kW)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACH 2-60	43	3.4	1"	1"	1.1	200/380	4.4/2.5	14.1
ACH 4-40	100	1.8	1"	1"	1.1	200/380	4.4/2.5	14.2

COOLANT PUMPS

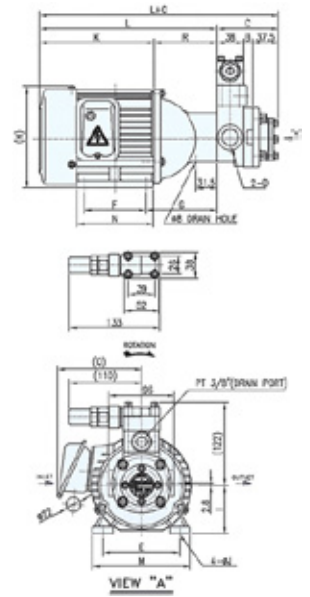


ATP-HAVB/HAVD

These pumps are mainly used for coolant-through-spindle (CTS) operations in machine tools. The pumps have a pressure relief valve for pressure control. The pumps can be used to pump either oil or coolant, but it must be specified before ordering which type is required. If you have a similar old or broken pump, you can send us the following information: motor size or motor output, pump type, and pressure relief valve size. This allows us to check whether we have a replacement pump in stock.



ATP-HAVB



ATP-HAVD

TYPE	B	C	D
AMTP-204 HAVB	7	82.5	PT 1/2"
AMTP-206 HAVB	10	85.5	PT 1/2"
AMTP-208 HAVB	14	89.5	PT 1/2"
AMTP-210 HAVB	17	92.5	PT 3/4"
AMTP-212 HAVB	20	95.5	PT 3/4"
AMTP-216 HAVB	27	102.5	PT 3/4"
AMTP-220 HAVB	33	108.5	PT 3/4"
ATP-208HAVD	14	89.5	PT 1/2"
ATP-216 HAVD	27	102.5	PT 3/4"

MOTOR

MOTOR OUTPUT (W)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)
400 W	50	200/380	2.2/1.3
750 W	50	200/380	3.6/2.0
1500 W	50	200/380	6.3/3.3

TYPE	DISCHARGE VOLUME (L/min)	MAX PRESSURE WITH DIFFERENT MOTORS (bar)			INLET/OUTLET	WEIGHT (kg)
		400 W	750 W	1500 W		
ATP-204HAVB	6.5	21.5	30.0	30.0	PT 1/2"	3.6
ATP-206HAVB	9.0	7.0	25.0	25.0	PT 1/2"	3.6
ATP-208HAVB	12.6	4.5	23.0	25.0	PT 1/2"	3.7
ATP-210HAVB	15.3	3.5	15.5	25.0	PT 3/4"	3.8
ATP-212HAVB	18.0	2.0	13.5	20.0	PT 3/4"	4.0
ATP-216HAVB	24.3	-	8.5	20.0	PT 3/4"	4.2
ATP-220HAVB*	29.7	-	5.5	15.5	PT 3/4"	4.5
ATP-208HAVD	12.6	4.5	23.0	25.0	PT 1/2"	3.7
ATP-216HAVD	24.3	-	8.5	20	PT 3/4"	4.2

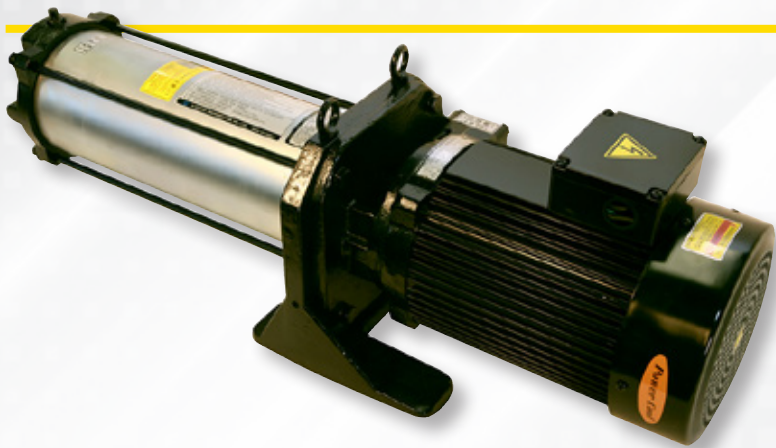
*ATP-220HAVB available for oil only.

RELIEF VALVE

TYPE	PRESSURE RANGE (bar)
1S	0 – 4
2S	4 – 8
3S	6 – 15
4S	12 – 30

TYPE	E	F	G	H	I	J	K	L	M	N	Q	R	WEIGHT (kg)
400 W	112	90	104.5	150	71	10	167	259.5	143	120	125	92.5	9
750 W	125	100	112.5	169	80	10	206	298.5	167	135	145	92.5	14.5
1500 W	140	125	107.5	193	90	10	230	319	172	155	155	89	20

COOLANT PUMPS



ACPQ-HSP

Pumps in this series are mainly used in CNC lathes and CNC machining centers because they withstand high pressure and provide sufficient flow rate (used as original equipment, for example in South Korean machine tools such as DN Solutions, Hyundai, Samsung and Hwacheon).

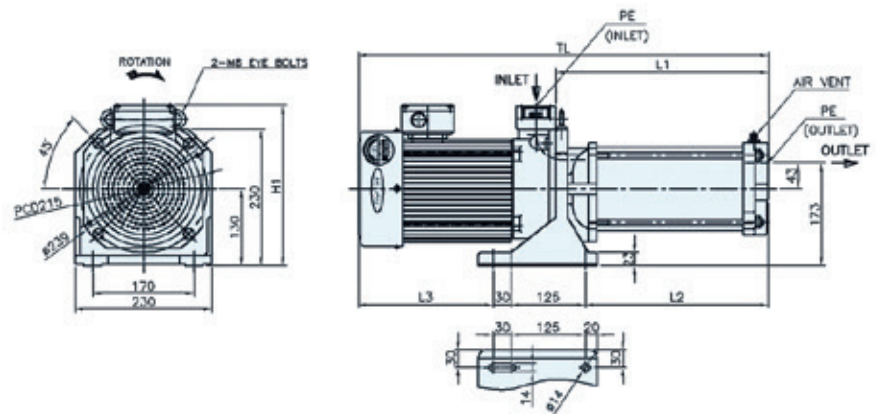
The pump is designed so that heat transfer is minimal between the motor and the pump.

The impeller is made of stainless steel, which prevents corrosion.

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	INLET (PS)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
ACPQ-300HSP 200	20	14.0	1/2"	1/2"	2.9	50	200/380	10.1/5.8	64
ACPQ-400HSP 280	20	19.5	1/2"	1/2"	4.0	50	200/380	14.2/8.2	73

TYYPPI	L1	L2	L3	TL	H1	PE (INLET)	PE (OUTLET)
ACPQ-300HSP 200	358	308	227	690	271	PS 1/2"	PS 1/2"
ACPQ-400HSP 280	465	415	247	817	271	PS 1/2"	PS 1/2"

ACPQ-300HSP 200, ACPQ-400HSP 280



SEIM PWO 40 AND 70 BAR Screw Pumps

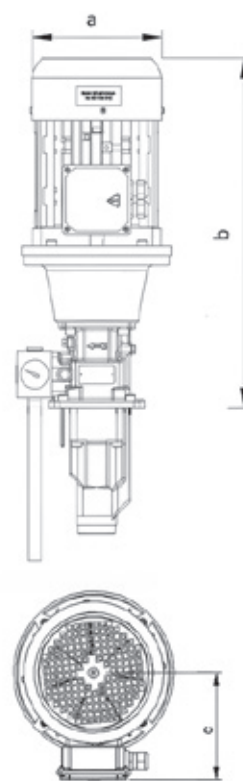
SEIM PWO screw pumps are designed for coolants in machine tool and filtration system applications that require high pressure.

They are particularly well suited to the needs of modern, high-performance machine tools, where reliability and long service life are critical factors.

We have used this pump in the COMPACT and PLUS filtration systems we manufacture due to its ease of integration.

TYPE	A (mm)	B (mm)	C (mm)	OUTLET
PWO 029/40 BAR	258	690	198	R 3/4" BSP
PWO 029/70 BAR	258	705	198	R 3/4" BSP

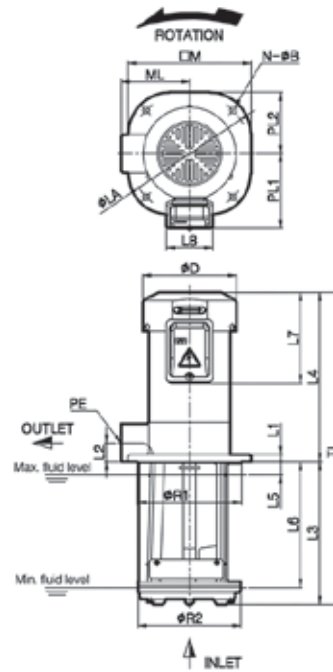
TYPE	OUTPUT (kW)	CURRENT (A)	VOLTAGE 3-PHASE (V)	WEIGHT (kg)	DISCHARGE 1 CST VOLUME (L/min)	DISCHARGE 20 CST VOLUME (L/min)	CABLE ENTRY
PWO 029/40 BAR	5.5	17.2/9.93	200/400	66	41.9	46.3	M20 x1.5
PWO 029/70 BAR	7.5	13.2	400	74	38.3	44.8	M25 x1.5



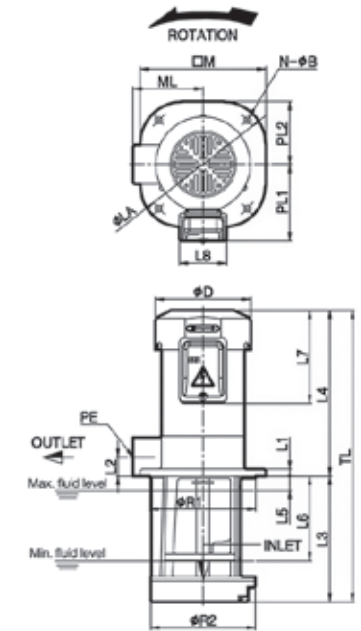
COOLANT PUMPS



HCP
Submersible pump
manufactured by Hansung
Original pump used in some
DN Solutions machines



HCP-419F



HCP-428F

TYPE	DISCHARGE VOLUME (L/min)	PRESSURE (bar)	OUTLET (PS)	IMMERSION DEPTH (mm)	OUTPUT (kW)	FREQUENCY (Hz)	VOLTAGE 3-PHASE (V)	CURRENT (A)	WEIGHT (kg)
HCP-419F/428F	40	1.2	1"	210/280	0.4	50	200/380	2.4/1.4	16.5

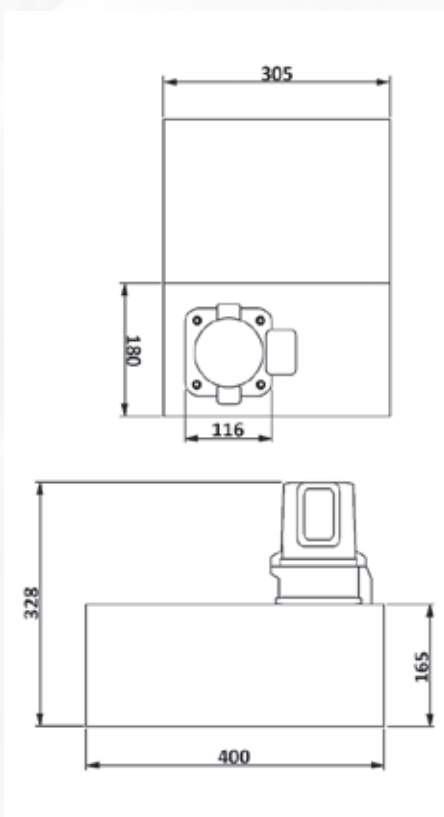
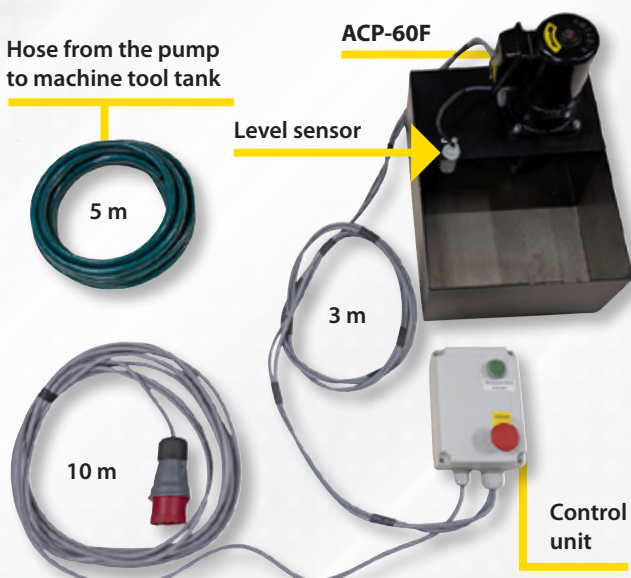
TYPE	Ø D	L1	L2	L3	L4	L5	L6	L7	L8	PE(PT)	TL	R1	R2	LA	N-ØB	PL1	PL2	ML
HCP-419F	137	10	27	210	244	20	185	139	69	1"	454	152	150	180	4-10.5	110	90	180
HCP-428F	137	10	27	280	234	20	220	143	69	1"	514	152	150	180	4-10.5	110	90	180

COOLANT CIRCULATION POOL

The product is designed to pump coolant from the chip cart back into the machine tool's tank.

Coolant drains from the chip cart into the circulation pool, where a level sensor activates the pump as the liquid level rises.

The pump stops automatically after the time set on the timer relay has elapsed.



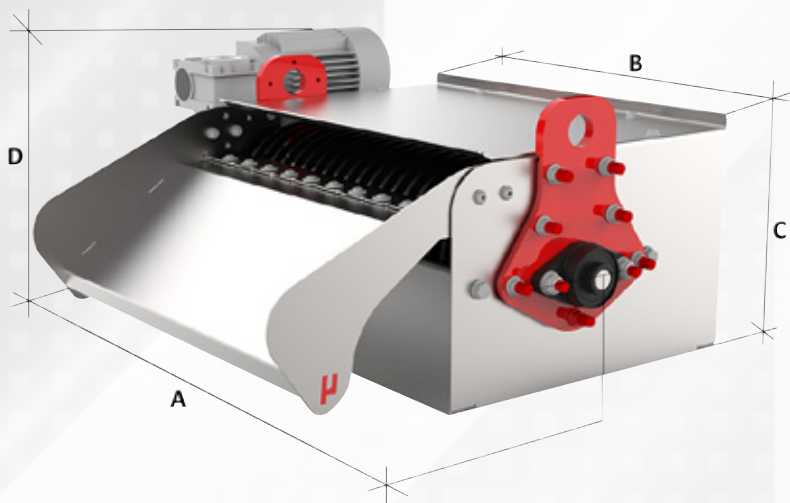
COOLANT PRESSURE FILTER

- Protects tools effectively from damage
- Maximum flow: 80 L/min
- Maximum pressure: 30 bar
- Standard 90 µm metal mesh filter; 25 µm and 60 µm filter cartridges available as options



KALAMIT® Magnetic Separators

The KALAMIT magnetic separator removes magnetic particles from both emulsions and oils (maximum allowable viscosity is 20 mm²/s at 40 °C).
A heavy-duty model is also available, with a filtration capacity of 1800 L/min for emulsions or 1000 L/min for oils.



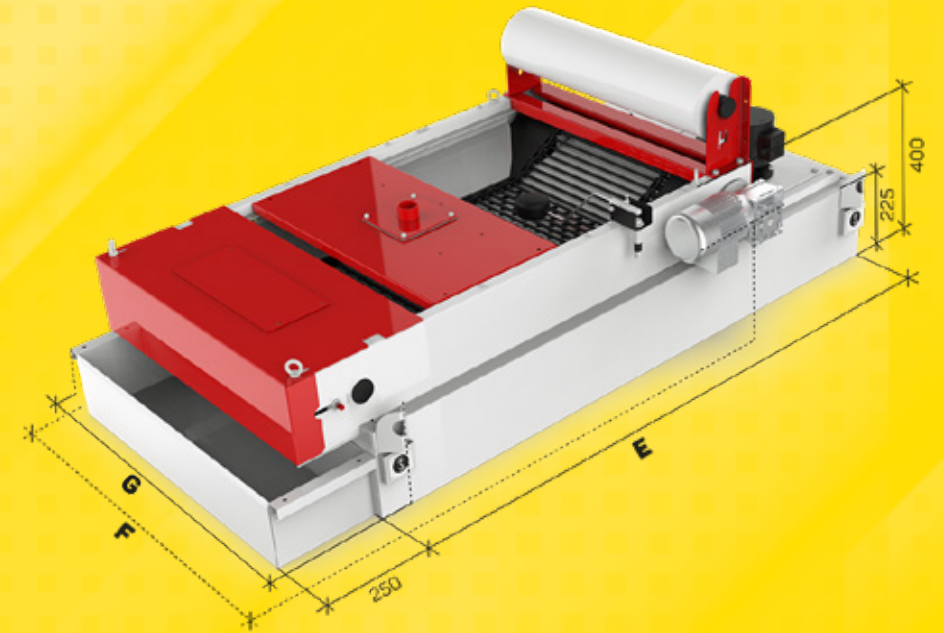
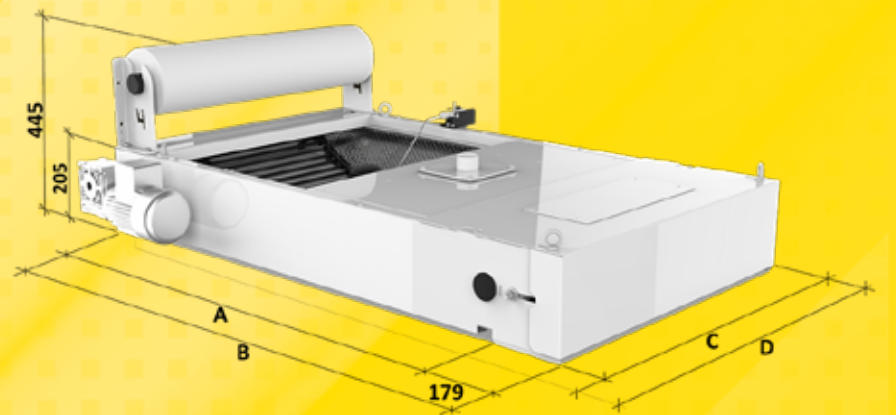
MODEL	EMULSION FLOW RATE (L/min)	WHOLE OIL FLOW RATE (L/min)	POWER (kW)	WEIGHT (kg)
KALAMIT 75	75	37	0.12	30
KALAMIT 150	150	75	0.12	55
KALAMIT 250	250	125	0.12	70
KALAMIT 350	350	175	0.12	85
KALAMIT 500	500	250	0.12	130

MODEL	A	B	C	D
KALAMIT 75	350	180	220	287
KALAMIT 150	556	300	220	287
KALAMIT 250	716	460	220	287
KALAMIT 350	916	660	220	287
KALAMIT 500	1196	940	220	287



EASYBAND® Fabric Filtration Units

The EASYBAND series offers a simple solution for filtering coolant in machine tools. Filtration accuracy depends on the filter material used.



MODEL	TANK CAPACITY (L/min)	EMULSION FLOW RATE (L/min)	OIL FLOW RATE (L/min)	PRESSURE (bar)	PUMP POWER (kW)	WEIGHT (kg)
EASY 50	185	70	40	0.2	0.16	108
EASY 100	320	120	75	0.2	0.30	145
EASY 150	510	190	115	0.2	0.40	201
EASY 200	635	250	150	0.2	0.53	241
EASY 250	770	300	185	0.2	0.78	275
EASY 300	910	350	215	0.2	1.15	305
EASY 400	1185	440	265	0.2	1.47	345

MODEL	EASY 50	EASY 100	EASY 150	EASY 200	EASY 250	EASY 300	EASY 400
A	875	1215	1425	1870	2370	2870	3820
B	1042	1382	1592	2037	2537	3037	3987
C	565	765	1065	1065	1065	1065	1065
D	742	942	1242	1242	1242	1242	1242
E	1250	1600	1850	2300	2800	3300	4300
F	792	992	1292	1292	1292	1292	1292
G	650	850	1150	1150	1150	1150	1150

EVOTECH PRO Fabric Filtration Units

The Evotech PRO series is an efficient solution for filtering suspended solids such as plastic and aluminum particles.

Compared to other filtration units with the same filter surface area, the Evotech PRO series doubles the amount of coolant that can be processed.

Depending on the type of filter material used, the Evotech PRO achieves a filtration accuracy of 10–60 microns and is designed for flow rates of 200–600 L/min.



In the picture:
Evotech Pro 500 and the
control box supplied by Tekupit



On the right: Evotech Pro 500 supplied by Tekupit to Urjala Works. Tekupit also provided the system's transfer pumps and the control box that manages the operation of the entire system.

(1) The dirty coolant flows into the filter. The liquid accumulated on the filter fabric **(2)** creates high hydrostatic pressure **(3)**, causing the liquid to pass through the fabric **(4)**. When the buildup of solids prevents the liquid from passing through the fabric, the rising surface activates the proximity switch **(5)**, which in turn starts the gearmotor. The dirty fabric is rolled onto a spool **(6)**. As the fabric moves forward, the scrapers **(7)** also move, cleaning loose particles from the fabric.

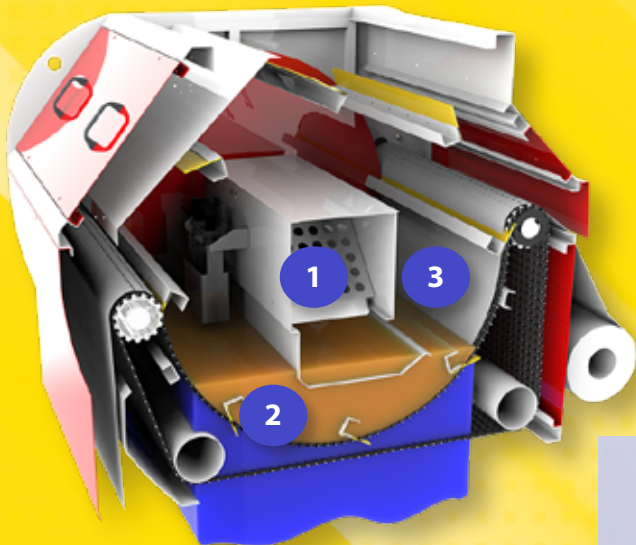


MODEL	A	B	C	D	Weight (kg)	Emulsion flow rate (L/min)	Neat oil flow rate (L/min)
EvoPro 500	509	800	828	1235	130	200	100
EvoPro 700	709	1000	828	1235	155	325	170
EvoPro 1000	1009	1300	993	1400	200	450	225
EvoPro 1200	1209	1500	993	1400	220	600	300

EvoPro measurements

MAXFLOW Coolant Filtration

MAXFLOW fabric filtration units are a solution for filtering large volumes of coolant. Its innovative design allows it to store a significant amount of coolant liquid inside, resulting in extremely high hydrostatic pressure. This guarantees a flow rate of 700–2000 L/min with minimal fabric consumption.



The liquid to be filtered enters through a side opening and is distributed by a special distribution tray (1) on the fabric beneath. The system is designed to form a liquid basin (2) that generates the hydrostatic pressure. The liquid passes through the fabric, causing impurities to accumulate on it (3). Over time, a sludge layer forms, creating an effective “additional filter.” As the sludge builds up, the permeability of the fabric decreases, causing the liquid level to rise. This activates the gearmotor, which moves the fabric forward. Finally, the dirty fabric together with the sludge is collected in a separate tank.

MODEL	A	B	C	EMULSION FLOW RATE (L/min)	OIL FLOW RATE (L/min)	RATING OF FILTRATION (micron)	WEIGHT (kg)
Maxflow 700	820	1490	1240	700	350	10-50	710
Maxflow 1000	1120	1490	1240	1000	500	10-50	730
Maxflow 1500	1620	1490	1240	1500	750	10-50	750
Maxflow 2000	2120	1490	1240	2000	1000	10-50	850

In the second half of 2024, we delivered a Maxflow 1000 filtration system to our customer, equipped with a Kalamit 900 magnetic separator.

Installed on top of a 15 m³ tank, the Maxflow 1000 is capable of processing up to 1000 liters of coolant per minute.

Three heavy-duty machine tools are connected to the filtration system shown in the picture, and its capacity allows for the addition of several more machines.



PLUS High-Pressure System

The PLUS high-pressure system is ready to be connected to a machine tool when additional pressure and fluid volume are needed to improve machining efficiency. It can also be used solely for coolant filtration by circulating the liquid through the system even when the high-pressure pump is not in use.

The PLUS high-pressure system is available in two versions: BASIC and COAX. Both versions feature a control box with a Siemens LOGO! compact logic module and a diagnostic display. Thanks to the diagnostic display, the user can more easily identify the cause of a possible fault and correct the situation.

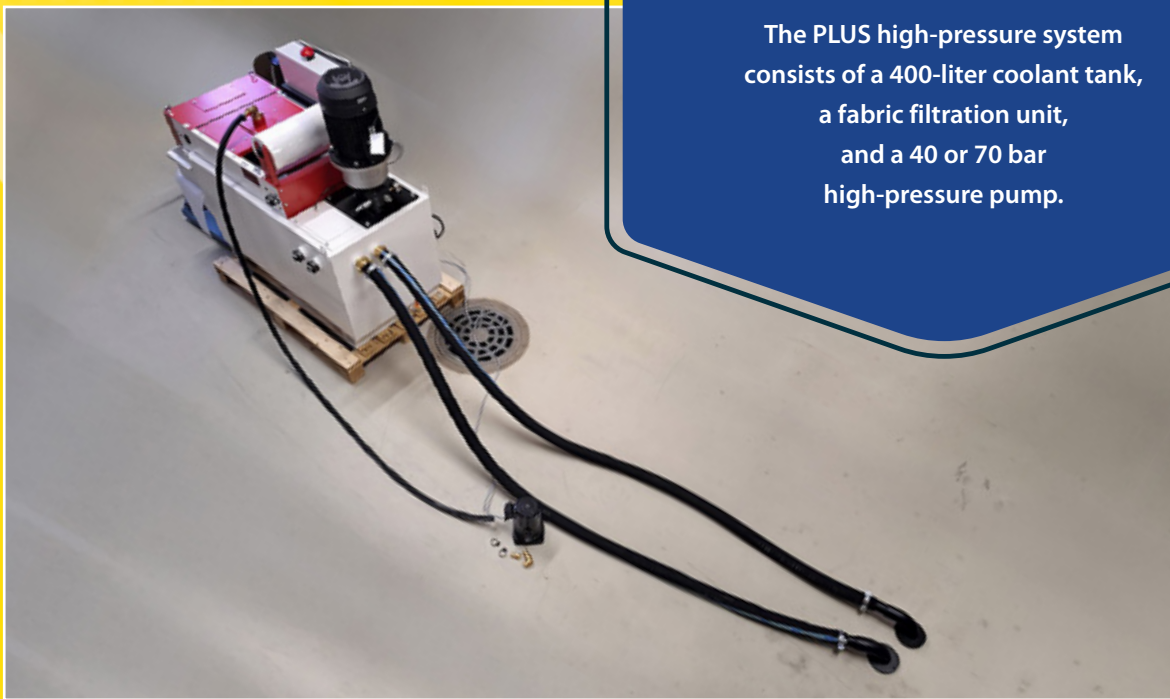
The system always includes liquid surface level monitoring in the tank to prevent the high-pressure pump from running dry. A dedicated sensor also monitors when the filter fabric runs out.

The system is connected to the machine tool's I/O interfaces, allowing it to operate under the control of the machine tool. The COAX version also enables the pressure of the high-pressure pump to be limited to desired preset values, which are activated by the machine tool's M-codes.



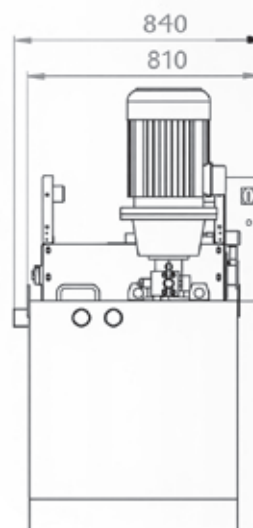
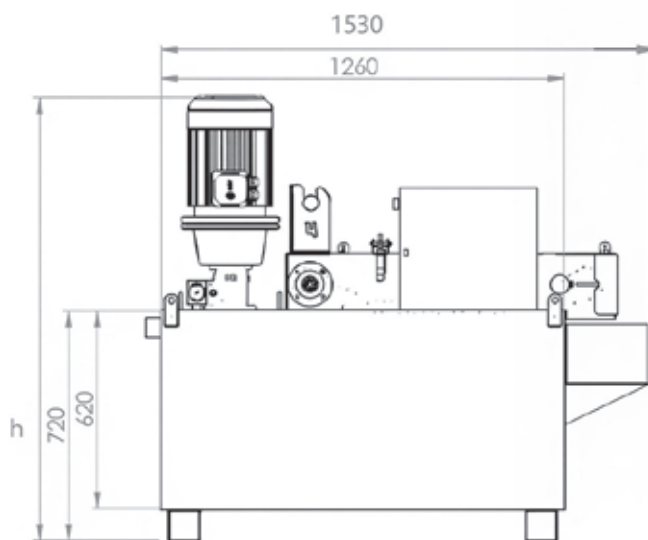
Specifications for the 40 and 70 bar pumps (SEIM PWO 029) can be found on page 8.

The PLUS high-pressure system consists of a 400-liter coolant tank, a fabric filtration unit, and a 40 or 70 bar high-pressure pump.



AVAILABLE ACCESSORIES

- Kalamit 75 magnetic separator for separating magnetic particles from emulsion solutions before they enter the filtration unit
- Zebra oil skimmer for removing possible oil
- Adjustable pressure control system: COAX pressure relief valve controlled by the machine tool via the LOGO! controller. The number of pre-programmed output pressures depends on the M-codes and PLC outputs available in the machine tool.



h = 40 bar / 1430 mm
h = 70 bar / 1445 mm

Main dimensions of the PLUS system

DAZZLE Automatic Coolant Mixing and Distribution System



Thanks to the system's modular design, it can be flexibly scaled to different needs, from a single machine tool to groups of dozens of machine tools, and can be easily expanded later.

The only limiting factor is the capacity of the mixer. It is required that the coolant concentrations of all machine tools connected to the same group are the same.

At the core of the system is the DAZZLE SUMP filling automation:

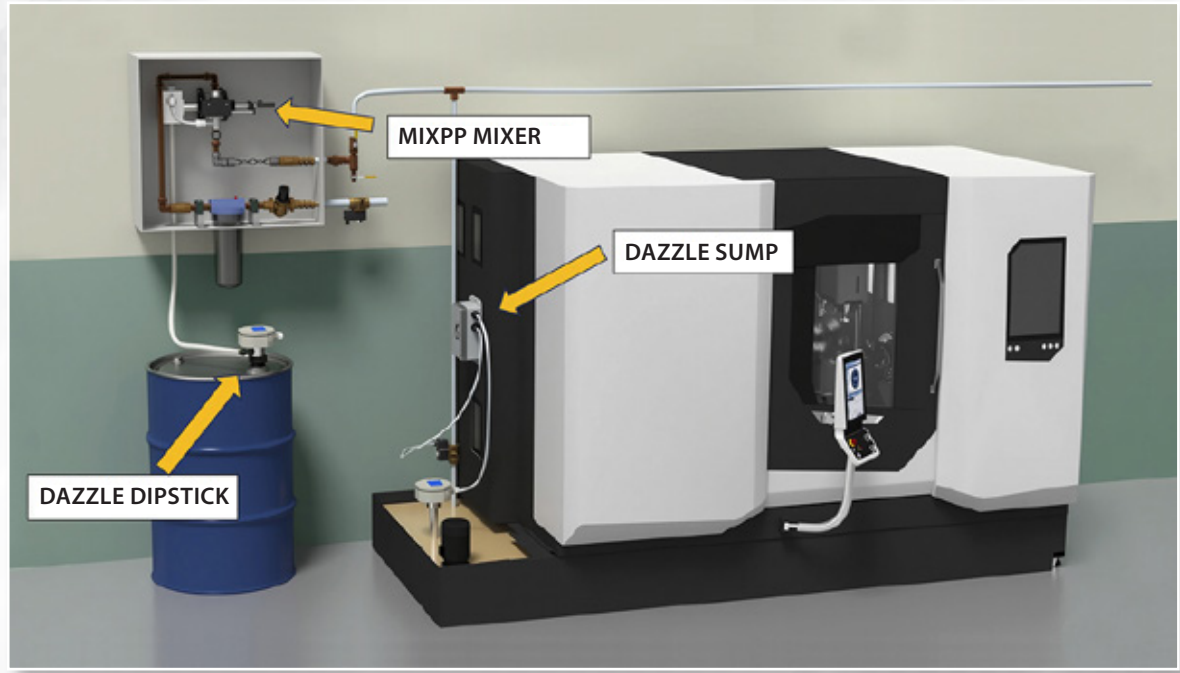
- Autonomous, automatic coolant filling device for the machine tool's coolant tank
- Maintains the liquid surface level within approximately 30 mm of the set point
- Coolant is dispensed reliably using a pneumatic angled valve
- Alerts in case of large deviations in liquid level
- Can also be used with existing mixers
- The standard 300 mm sensor fits a conventional 200 mm deep coolant tank using the included installation kit. Other lengths are available on request.

DAZZLE MIXPP long-line mixer:

Two models are available depending on the system size:

MODEL	FLOW RATE	MIXING RATIO
MIXPP518	26.5 L/min	1.4 – 12.3 %
MIXPP562-M	45.5 L/min	1.6 – 13.5 %

The mixer is capable of pumping coolant horizontally up to 243 meters and vertically up to 6 meters.



Additionally, the system can be equipped with the DAZZLE DIPSTICK level sensor for a coolant concentrate barrel or IBC container. Its purpose is to prevent feeding only water to the machine tools if the barrel or IBC container empties unnoticed.

ASK ABOUT THE POSSIBILITY OF A TRIAL RUN OF THE SYSTEM!

BENEFITS: Improves quality consistency by keeping the coolant at a uniform temperature. Enables unmanned shifts.

COMPACT High-Pressure System

The redesigned COMPACT high-pressure system, which fits even in small spaces, includes a cyclone filter and, optionally, a 20, 40, or 70 bar high-pressure pump, each with a supply pump.

As an option, a hose kit is available to simplify and speed up the connection of the system to the machine tool, as well as a bracket for the supply pump, available in four different heights: 10, 50, 80, and 135 mm. Additionally, an inverter is available to adjust the high-pressure pump's power. Connections and any modifications to the machine tool's electrical system are the customer's responsibility and may require assistance from the machine manufacturer or importer.

Specifications for the 40 and 70 bar pumps (SEIM PWO 029) can be found on p. 8, and for the 20 bar pump (ATP-216HAVB 4S) on p. 7.



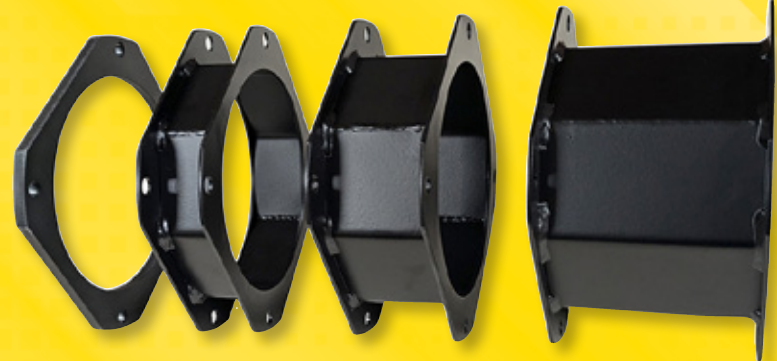
WITH A
20 BAR PUMP



WITH A
40/70 BAR PUMP



There are four different hose kits, depending on the high-pressure pump and the supply pump.








Supply pump
brackets

Clean coolant from the filter to the high-pressure pump (hose included in the delivery).



The high-pressure pump connector is JIS 3/4" external thread or BSP 3/4" internal thread. Both are included in the delivery.

-  High pressure to the machine
-  From the filter by-pass connection to the machine tool tank
-  Overflow from the pump to the machine tool tank
-  Mechanical seal overflow to the machine tool tank
-  From the supply pump to the filter



11 BAR Upgrade Set



These pumps make it easy to increase machining efficiency by replacing the existing pump with a higher-pressure model.

PUMP TYPE	PRESSURE (bar)	OUTPUT (kW)	CURRENT (A)	VOLTAGE 3-PHASE (V)	FLOW RATE (L/min)
ACP-1800HMFS 70	5.5	1.8	6.6/3.8	200/380	30
ACP-4000HMFS 145	11	4.0	14.2/8.2	200/380	30

19.5 BAR Upgrade Set



Stand set with 19.5 bar pump, ready for installation



Standard installation components of the stand set

These pumps make it easy to increase machining efficiency by replacing the existing pump with a higher-pressure model.



19.5 bar upgrade set, installed

PUMP TYPE	PRESSURE (bar)	OUTPUT (kW)	CURRENT (A)	VOLTAGE 3-PHASE (V)	FLOW RATE (L/min)
ACPQ-400HSP 280	19.5	4.0	14.2/8.2	200/380	20

ECOTECH® Oil Mist Collector

ECOTECH oil mist collectors manufactured by Micronfilter are suitable for machine tools with large air volumes and for use as a centralized extraction unit serving multiple machine tools.

ECOTECH oil mist collectors are also available in versions equipped with HEPA H13 post-filters (AXO model).

WHY USE AN OIL MIST COLLECTOR?

Air quality:

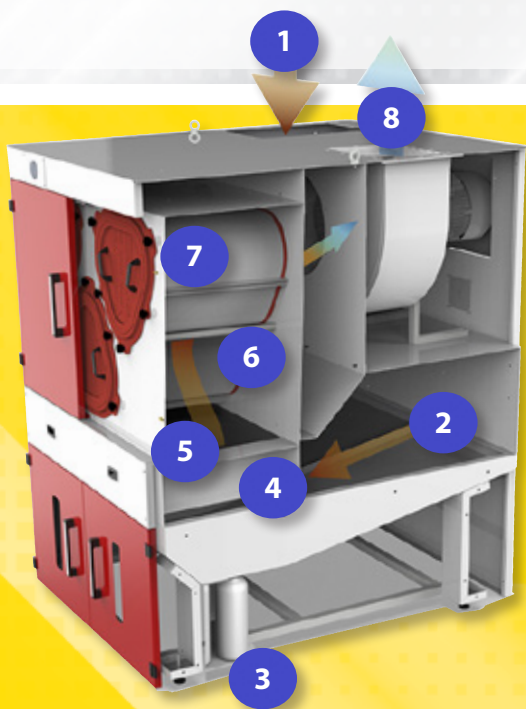
Machining processes generate oil mist that may contain harmful particles and chemicals. Cleaning the air protects workers' lungs and reduces exposure to respiratory problems.

Slip hazard:

Oil mist can settle on surfaces and form a slippery film, increasing the risk of accidents in the workplace.

Work environment cleanliness:

Machines and the entire work environment stay cleaner and are easier to maintain.



Dirty air passes through the mechanical separator (1). In this pre-separation stage, the vaporized oil particles condense into droplets due to the centrifugal force generated by the fan and flow down into the collection hopper (2). The collected oil/coolant is then directed through a pipe to a separate tank (3).

Next, the airflow passes through the droplet separator (4) and the metal pre-filter (5). To remove remaining impurities, the air is finally directed through a large-surface-area filter cartridge (7) made of high-quality polypropylene and cellulose. Around the cartridge is a replaceable/washable pre-filter (6), which promotes the coalescence of micro-mists and extends the service life of the cartridge itself.

The cleaned air can then be exhausted through the grille at the top of the unit (8) or passed through a HEPA H13 post-filter (optional).



ECOTECH with HEPA filter



ECOTECH without HEPA filter



ECOTECH 12000 with HEPA filter

MODEL	A	B	C	D	MAX DELIVERY (m³/h)	POWER (kW)	AVERAGE SOUND LEVEL (dBA)	FILTRATION AREA (m²)	WEIGHT (kg)
ECOTECH 4000	735	1450	2180	-	4000	2.2	76	25	290
ECOTECH 4000 (AXO)	735	1450	-	2488	3600	2.2	74	25	350
ECOTECH 6000	1095	1610	2280	-	6000	4	76	30	420
ECOTECH 6000 (AXO)	1095	1610	-	2610	5400	4	74	30	500
ECOTECH 10000	1495	2035	2115	-	10000	7.5	76	72	620
ECOTECH 10000 (AXO)	1495	2035	-	2740	9500	7.5	74	72	790
ECOTECH 12000	1495	2035	2115	-	12000	11	76	72	630
ECOTECH 12000 (AXO)	1495	2035	-	2740	11500	11	74	72	800

KUBE® Oil Mist Collectors

Micronfilter manufactures energy-efficient KUBE® oil mist collectors equipped with built-in four-stage oil mist removal.

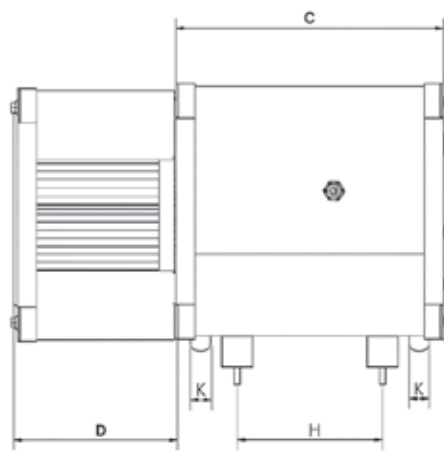
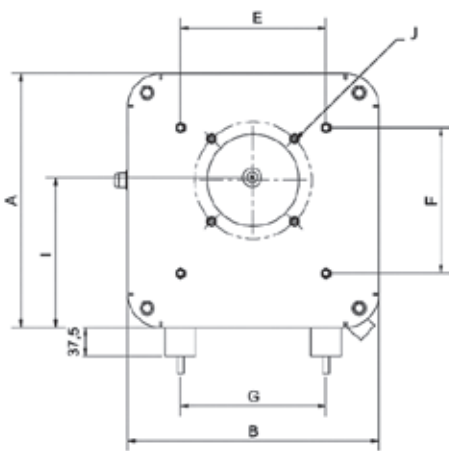
An optional enclosed motor circuit breaker is available.



The impeller blades (1) are designed to promote the coalescence of oil mist particles into droplets. Dirty air is directed into the oil mist collector. In the next stage, the airflow slows down and passes through the labyrinth pre-filter (2). At this stage, approximately 80 % of the oil contaminants have already been removed. Smaller particles are then removed by the filter cartridge (3) and the washable/replaceable pre-filter mat placed on top of it (4). The oil that collects at the bottom of the unit is discharged through the outlet pipe (5).

If desired, the KUBE can be equipped with a separately sold HEPA H13 post-filter.

MODEL	AIR FLOW (m³/h)	POWER (kW)	CURRENT (A)	FILTRATION AREA (m²)	INLET (ø mm)	NOISE LEVEL (dBA)	WEIGHT (kg)
KUBE 400	400	0.25	0.66	2	120	64	25
KUBE 800	800	0.37	0.94	6	150	66	40
KUBE 1200	1200	0.55	1.33	6	150	67	41
KUBE 2000	2000	0.75	1.73	12	200	68	54
KUBE 2500	2500	1.1	2.46	12	200	69	55



KUBE dimensional drawing

MEASUREMENT	KUBE 400 (mm)	KUBE 800/1200 (mm)	KUBE 2000/2500 (mm)
A	332	467	610
B	328	467	610
C	349	451	551
D	212	260	471
E	192	300	440
F	192	300	475
G	192	300	440
H	192	300	300
I	196	283	349
J	4 X M8 ø 153	4 X M8 ø 183	6 X M8 ø 233
K	ø 25	ø 25	ø 25

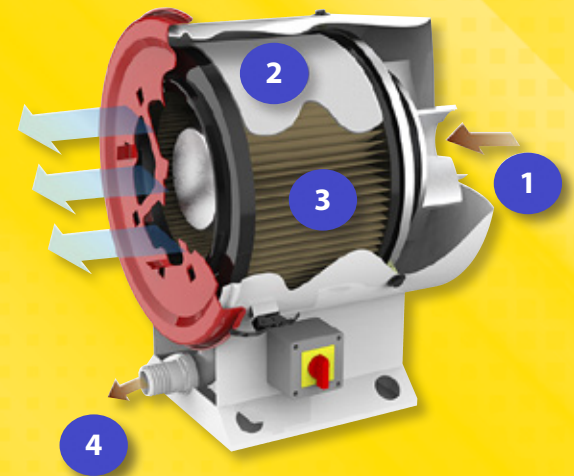
MICROIL® Oil Mist Collectors

Micronfilter manufactures turbine-type MICROIL® oil mist collectors, suitable for both oil and emulsion.

An optional enclosed motor circuit breaker is available.

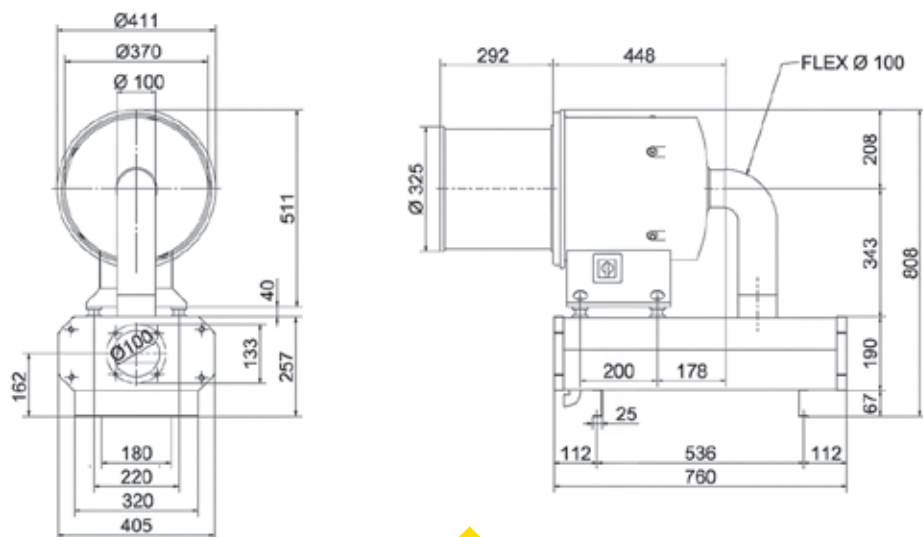


Oil mist particles are drawn into the oil mist collector (1). The air then moves to the next filtration stage, which consists of a washable/replaceable pre-filter mat (2) and a large-surface-area filter cartridge made of cellulose (3). The oil that has condensed back into liquid is discharged through the outlet pipe (4). These stages allow the MICROIL oil mist collector to achieve a 98 % separation efficiency. The MICROIL can be equipped with a HEPA H13 post-filter, sold separately. A separate pre-filtration unit is also available for situations where unusually high amounts of oil mist are present in the machine tool's air.

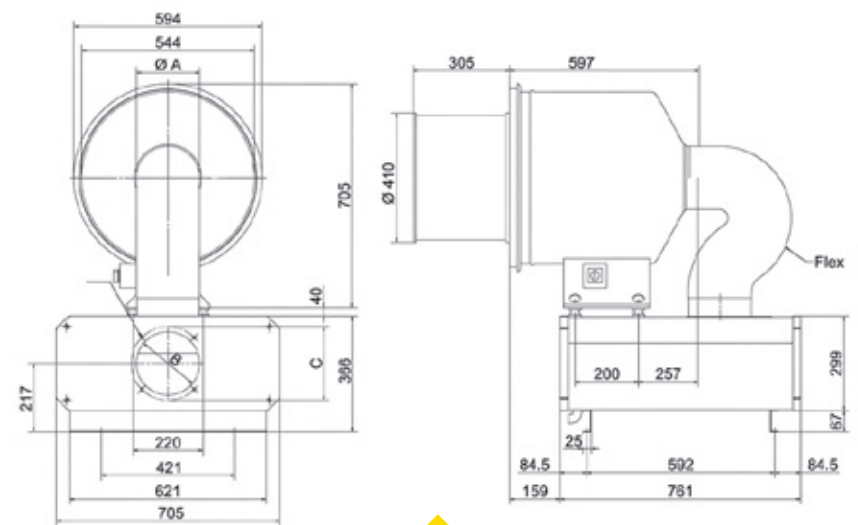


MODEL	AIR FLOW (m³/h)	FILTRATION AREA (m²)	OUTPUT (kW)	CURRENT (A)	WEIGHT (kg)	NOISE LEVEL (dBA)
MICROIL 600	600	5.7	0.25	1.16	28	64
MICROIL 800	800	5.7	0.75	2.87	29	68
MICROIL 1200	1200	5.7	0.75	2.87	30	72
MICROIL 1500	1500	14.7	1.5	5.65	56	74
MICROIL 2000	2000	14.7	1.5	5.65	56	75
MICROIL 2600	2600	14.7	1.5	5.65	56	75
MICROIL 3000	3000	14.7	1.5	5.65	56	76

MODEL	A	B	C
MICROIL 1500-2000	150	150	182
MICROIL 2600-3000	200	200	233



MICROIL 600-800-1200



MICROIL 1500-2000-2600-3000

CHIP CONVEYORS



HINGED BELT CONVEYORS

Hinged belt conveyors are designed for transporting heavy chips. They can carry chips made of, for example, work tool steel, aluminum, and various plastics.

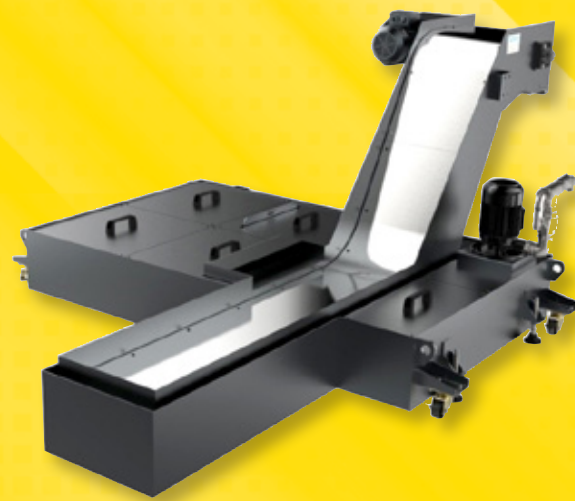
The conveyor belts are designed to withstand corrosion and impact.

Hinged belt conveyors are available in different dimensions, angles, and chip capacities.

MAGNETIC CONVEYORS

Magnetic conveyors are suitable for transporting chips and finished workpieces.

They are designed for small and lightweight objects.



DRAG CONVEYORS

Drag conveyors are used, for example, for transporting chips of iron, cast-iron, copper alloys, and aluminum alloys.

Drag conveyors are available in various dimensions, angles, and chip capacities.



Tekupit Oy

We offer a wide range of accessories for machine tools.

We deliver custom-made hinged belt conveyors, drag conveyors, and magnetic conveyors.

Our warehouse stocks more than 40 different coolant pumps.



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If we do not have the exact product you want in stock, we can offer a corresponding product with a competitive delivery time.

Showroom – warehouse
Lasikaari 3, FIN-33960 Pirkkala

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Tekupit Oy is a company based in Pirkkala, serving machine shops across Finland and Europe. Its main products are spare parts and accessories for machine tools.