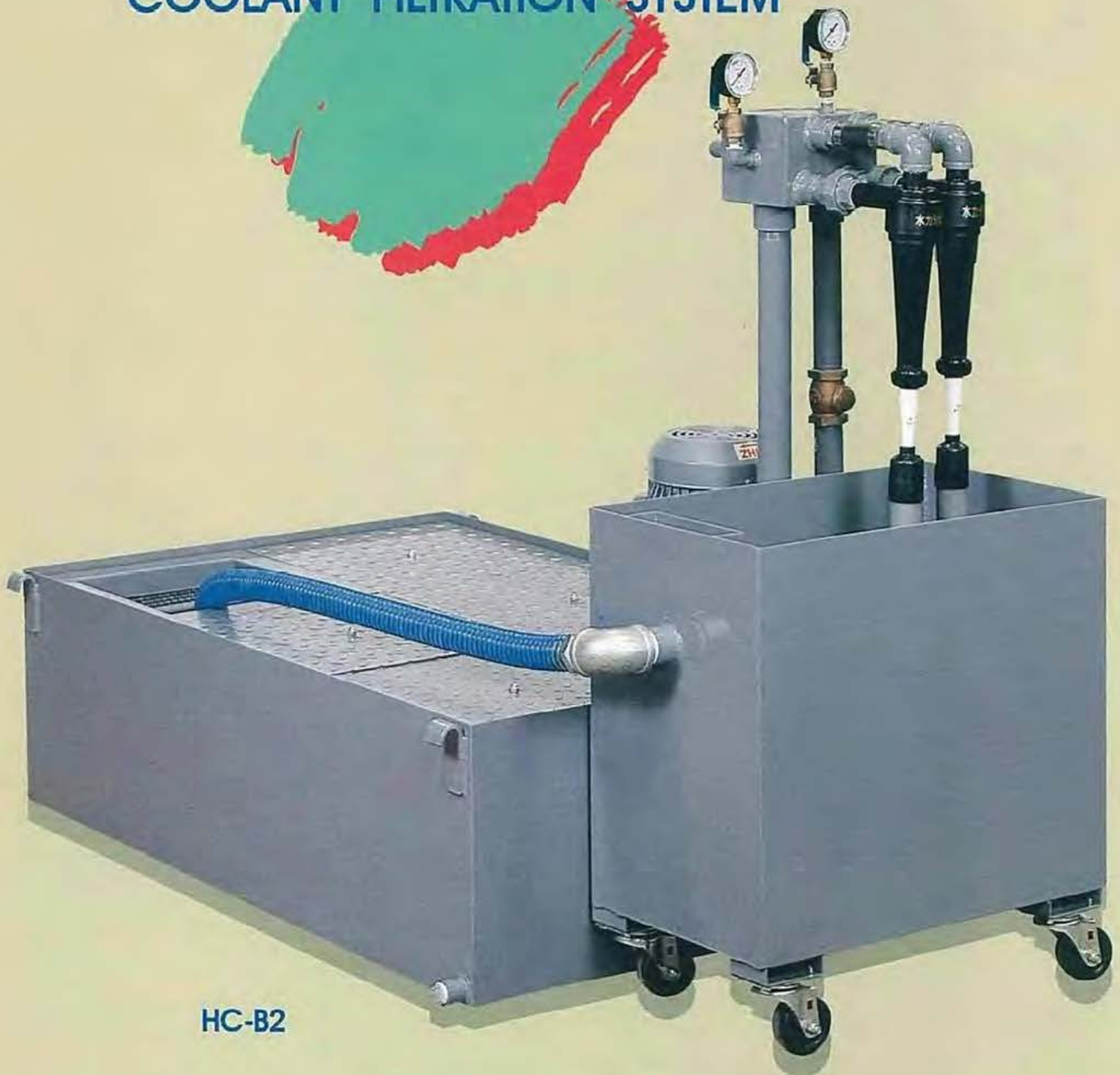


HYDROCYCLONE

COOLANT FILTRATION SYSTEM



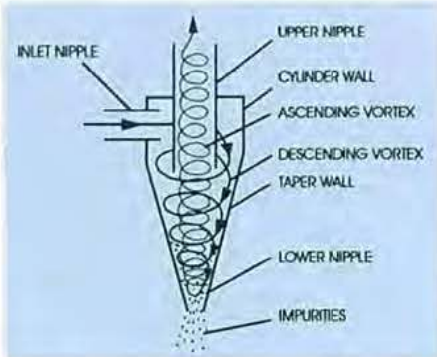
HC-B2

HYDROCYCLONE

COOLANT FILTRATION SYSTEM

PRINCIPLE:

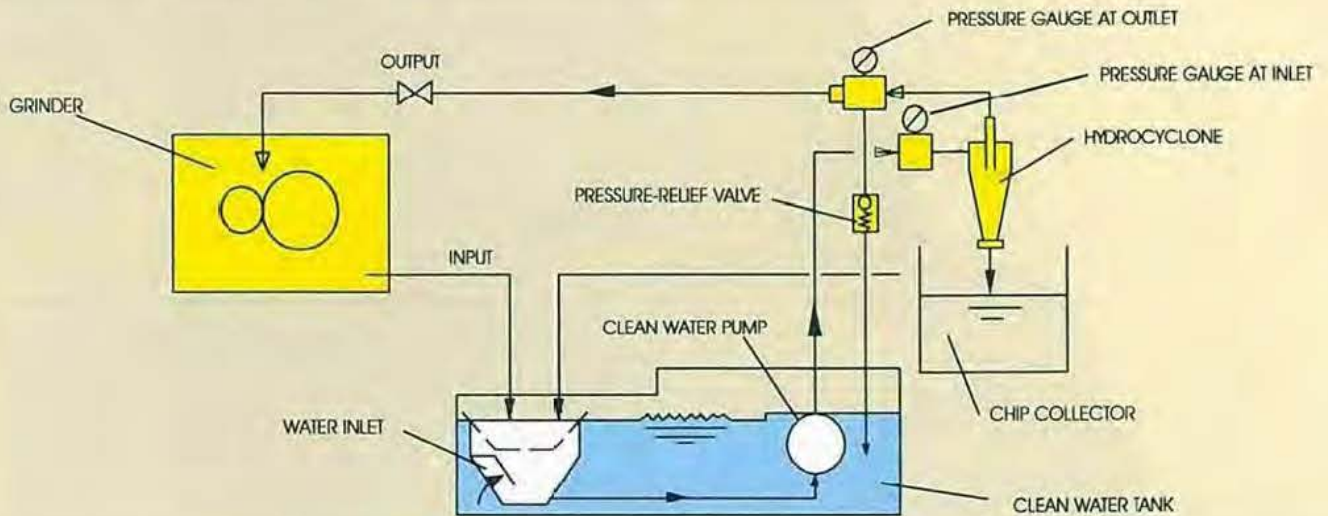
Hydrocyclone is a device using pump to supply pressure and high speed to inject water into tube of special design where ascending/descending vortexes are created. Clean water will be drained out through ascending vortex while impurities will be precipitated by descending vortex.



FEATURES:

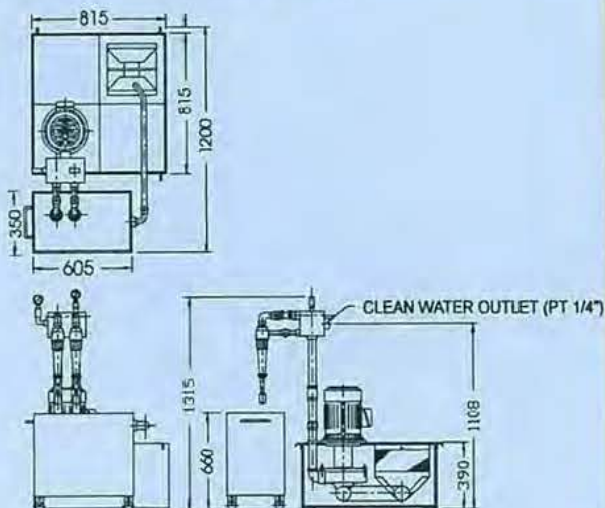
1. Excellent filtration effect up to 98%.
2. Easy maintenance, long duration. (Steel-tungsten shaft seal of pump. Lower nipple of ceramic material, replacable in no need of add of any tool.)
3. Filtration effect remains unchanged in a long-term use.
4. No consumption in filtration materials (such as tape of the paper tape filter).
5. Able to filter the impurities in the water so as to reduce water replacement frequency and produce smoother workpiece surface to deduct trimming demand for grinding wheel.
6. Ideal for the following impurities:
 - Magnetic materials (steel, nei, etc.)
 - Non-magnetic materials (stainless steel, chrome, corp, aluminium, etc.)
 - Non-matelic materials (glass, chip of grinding wheel.)

STANDARD HYDROCYCLONE SCHEMATIC

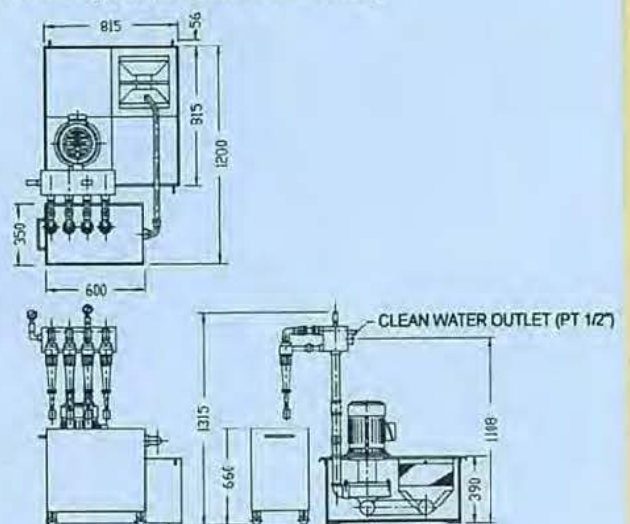


DIMENSION DIAGRAM

● 2 PCS (MODEL No. HC-B26-1EWL1)



● 4 PCS (MODEL No. HC-B46-1EWL1)



SYMBOLS

HC-B26-3AUL₁

CHIP COLLECTOR SPECIFICATIONS
(K · L1 · L2 · M1 · M2)

WATER INLET POSITION

DRAIN DIRECTION OF NIPPLE

COOLING WATER TANK SPECIFICATIONS
(1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 10)

POWER SUPPLY 5:50Hz200V
6:60Hz200V/220V

NO. OF NIPPLES 1:1PC 3:3PCS
2:2PCS 4:4PCS
TYPE B:STANDARD F:SMALL

PRODUCT CODE



HC-B2-3VWKB
AUTO DISCHARGED

CHIPS COLLECTOR SPECIFICATIONS

MODEL	SIZE	CAPACITY ℓ	WATER TANK TYPE	REMARKS
K	500x350x250	24	1,7,8,9,10	PORTABLE
KB	403x403x380	40	1~10	AUTO DISCHARGED
L1	605x350x550	80	1,3,5,7,9	WHEELS ATTACHED
L2	605x350x630	100	2,4,6,8,10	WHEELS ATTACHED
M1	700x450x550	125	1,3,5	WHEELS ATTACHED
M2	700x450x630	150	2,4,6	WHEELS ATTACHED

FULL PRODUCTS SPECIFICATIONS LIST

COOLANT TANK SPECIFICATIONS

MODEL	DIMENSION (mm)			Water ℓ	MOTOR POSITION & CHIP DRAIN DIRECTION	WATER INLET POSITION
	W	L	H			
1	815	815	390	230	 NAMEPLATE	 NAMEPLATE
2	815	815	480	290	 NAMEPLATE	 NAMEPLATE
3	1220	815	390	340	 NAMEPLATE	 NAMEPLATE
4	1220	815	480	430	 NAMEPLATE	 NAMEPLATE
5	1220	1220	390	510	 NAMEPLATE	 NAMEPLATE
6	1220	1220	480	650	 NAMEPLATE	 NAMEPLATE
7	715	715	390	170	 NAMEPLATE	 NAMEPLATE
8	715	715	480	220	 NAMEPLATE	 NAMEPLATE
9	715	1070	390	260	 NAMEPLATE	 NAMEPLATE
10	715	1070	480	330	 NAMEPLATE	 NAMEPLATE

HYDROCYCLONE SPECIFICATIONS

MODEL	HC-F1	HC-B1	HC-B2	HC-B3	HC-B4
NO. OF NIPPLES	1	1	2	3	4
FOUL COOLING WATER DISPOAL ℓ/min	40	70	140	210	280
CLEAN COOLING WATER SUPPLY ℓ/min	30	55	110	165	220
	(PRESSURE AT OUTLET 0.2 kg/cm ²)				
MAX.PRESSURE kg / c ² m	0.5				
COOLING PUMP HP	0.75kw 50/60HZ 200/220V	1.5kw 50/60HZ 200/220V	1.5kw 50/60HZ 200/220V	2.2kw 50/60HZ 200/220V	
COOLING WATER TANK MODEL	7.8 OR 9.10	1.2 OR 3.4,5,6	3.4 OR 5.6	5.6	5.6
CHIP COLLECTOR TYPE	K OR L	L	L	M	M
DIA. OF CLEAN COOLING WATER OUTLET	PT 1"	PT 1 1/4"	PT 1 1/4"	PT 1 1/2"	PT 1 1/2"

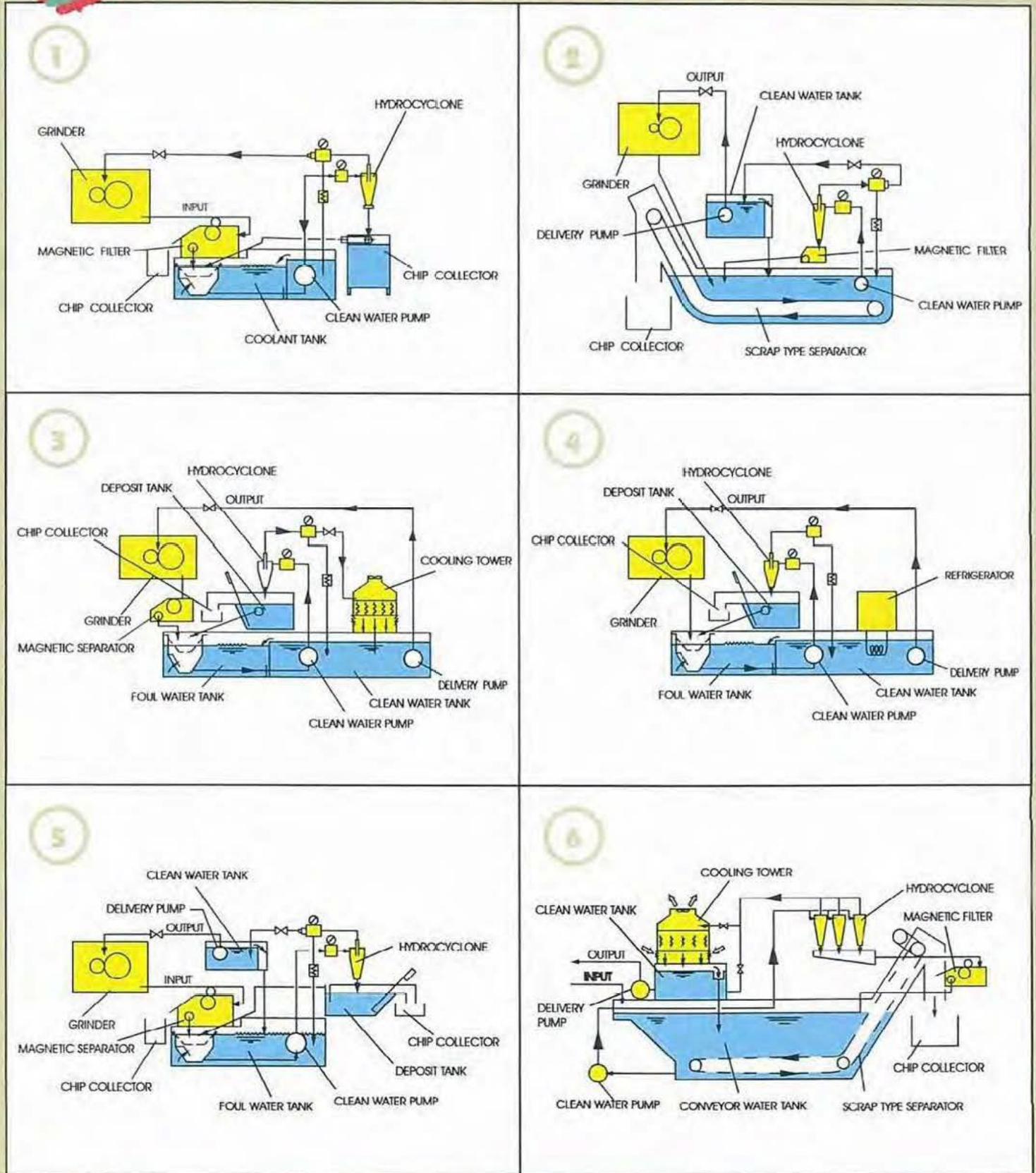
Remarks:

- 1.This unit is only applicable to water soluble coolant with density no more than 0.5 g/ℓ.
- 2.Information for chip particle less than 20μm shall be

Remarks:

- 1.For fine machining, a larger water tank is necessary when the temperature alteration of cooling water affects machining quality.
- 2.The water tanks other than our specifications are available by order.

COMBINING TYPE HYDROCYCLONE SCHEMATIC



OILSERVE

บริษัท ออยเซอร์ฟ จำกัด
OILSERVE CO., LTD.

9 ซอยทวีวัฒนา 25 แยก 7 แขวงทวีวัฒนา เขตทวีวัฒนา กรุงเทพฯ ๑๐๑๗๐
 9 Soi Thawi Watthana 25 Yeak 7, Thawi Watthana, Thawi Watthana, Bangkok 10170
 Tel: (+662) 441 9247 Fax : (+662) 441 9248 TAX ID : 0105553015358
 E-mail : sales@oilserve-thai.com, oilserveco@gmail.com, www.oilserve-thai.com