YEOSHE

https://www.yeoshe.com.tw/

WH

Immersible pumps

Servo, energy-saving

High-pressure through spindle coolant unit





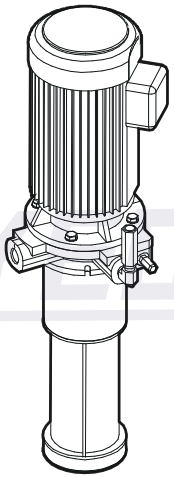
YEOSHE HYDRAULICS TECHNOLOGY CO.,LTD.

WH High Pressure Central Immersible pumps

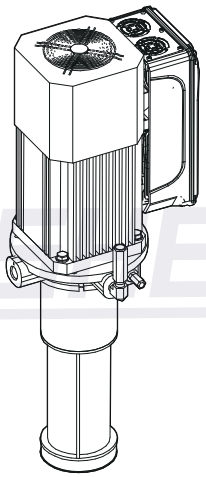
Product name

High Pressure Central Immersible pumps, specifically used in machining equipment. The tools have a central water outlet hole, significantly improving cutting performance.
It uses over 3% water-soluble cutting fluid or cutting oil.

Induction Motor



Servo Motor



Product Description

Highly integrated and compact

Unlike Traditional Coolant Through Spindle System, this vertical design integrates the water tank, filter barrel, filter, and pump into one product, occupying only 25% of the space and allowing direct installation in the machine's water tank.

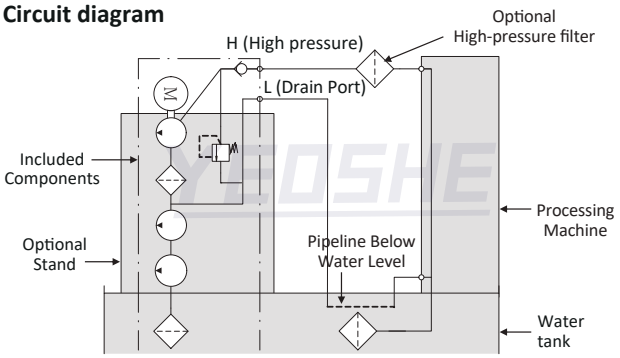
High pressure, energy-saving

The pump's high-pressure plunger withstands up to 70 kg/cm2. Its electric control allows on-demand switching, enhancing energy efficiency.
Standard filtration : 400 mesh (38 µm).
Optional high-pressure filter : 1250 mesh (10 µm).

Long lifespan, low wear

A high-precision filter safeguards the plunger, while the physical cleaning structure prolongs the filter's lifespan, and reduce its replacement rate.

Circuit diagram



Specification

Pump Type	Axial Piston Pump	-
Displacement	H High-pressure Outlet : 16、19、24、28 cc/rev	-
	L Drain Port : 10 cc/rev	-
Maximum Pressure	70 kg/cm² (Pressure when the outlet is closed)	The pressure when the outlet is closed, the operating pressure efficiency, and the reduction due to the outlet orifice diameter.
Pumped Fluid	Water-soluble cutting fluid (>3%), cutting oil, hydraulic oil, slideway oil. Viscosity : 2 - 70 cSt	Do Not Use : 1. Volatile or dangerous gasoline 2. Aqueous solutions or water without rust prevention effects
Max. Rotational Speed	2400 RPM	-
Filtration Accuracy	400Mesh (38 µm)	The pump includes a 400-mesh (38µm) filtration system; a high-precision filter up to 800-mesh (18µm) can be purchased separately. (Refer to page 8 for filter specifications)
Max. Passable Particle Size	Diameter : 2 mm	Diameter 2mm (Particles >2mm blocked; <2mm inhaled and discharged via discharge port.)
Noise Level	56~76 dB	1.5 meters from the water outlet pump

Our company reserves the right to make design changes to related products without prior notice.

WH High Pressure Central Immersible pumps

Ordering Specifications

Required motor HP(KW)	60HZ 1740RPM				50HZ 1450RPM			
	Maximum Pressure kg/cm²	Pump Output cc/rev	Pump Disp. LPM (L/min) 1740RPM	Model Specification	Maximum Pressure kg/cm²	Pump Output cc/rev	Pump Disp. LPM (L/min) 1450RPM	Model Specification
1 (0.75)	14	16	27.8	※ WH2C1607A-S1F14	16	16	23.2	※ WH2C1607A-S1F16
2 (1.5)	18	24	41.8	※ WH2C2415A-S1F18	22	24	34.8	※ WH2C2415A-S1F22
	24	19	33.1	※ WH2C1915A-S1F24	28	19	27.6	※ WH2C1915A-S1F28
	28	16	27.8	※ WH2C1615A-S1F28	34	16	23.2	※ WH2C1615A-S1F34
3 (2.2)	24	28	48.7	※ WH2C2822A-S1F24	28	28	40.6	※ WH2C2822A-S1F28
	28	24	41.8	※ WH2C2422A-S1F28	33	24	34.8	※ WH2C2422A-S1F33
	36	19	33.1	※ WH2C1922A-S1F36	43	19	27.6	※ WH2C1922A-S1F43
	42	16	27.8	※ WH2C1622A-S1F42	50	16	23.2	※ WH2C1622A-S1F50
5 (3.7)	40	28	48.7	※ WH2C2837A-S1F40	48	28	40.6	※ WH2C2837A-S1F48
	46	24	41.8	※ WH2C2437A-S1F46	55	24	34.8	※ WH2C2437A-S1F55
	60	19	33.1	※ WH2C1937A-S1F60	70	19	23.2	※ WH2C1937A-S1F70
	70	16	33.1	※ WH2C1637A-S1F70	70	16	23.2	※ WH2C1937A-S1F70
7.5 (5.5)	60	28	48.7	※ WH2C2855A-S1G60	70	28	40.6	※ WH2C2855A-S1G70
	70	24	41.8	※ WH2C2455A-S1G70	70	24	34.8	※ WH2C2455A-S1G70
	70	19	33.1	※ WH2C1955A-S1G70	70	19	23.2	※ WH2C1955A-S1G70
10 (7.5)	70	28	48.7	※ WH2C2875A-S1G70	70	28	40.6	※ WH2C2875A-S1G70
	70	24	41.8	※ WH2C2475A-S1G70	70	24	34.8	※ WH2C2475A-S1G70
	70	19	33.1	※ WH2C1975A-S1G70	70	19	23.2	※ WH2C1975A-S1G70

※ In stock, regular item, ◯ Customizable

Our company reserves the right to make design changes to related products without prior notice.

Copyright@2024-YEOSHE-ALL RIGHT RESERVED.

WH High Pressure Central Immersible pumps

Model description

WH : High Pressure Central Immersible pumps

2 : SIZE 2

※ 16 : 16 (cc/rev)
※ 19 : 19 (cc/rev)
※ 24 : 24 (cc/rev)
※ 28 : 28 (cc/rev)

※ In stock, regular item
○ Customizable

00 : Without motor (customer provides)
07 : 0.75 (KW)=1 HP 37 : 3.7 (KW)=5 HP
15 : 1.5 (KW)=2 HP 55 : 5.5 (KW)=7.5 HP
22 : 2.2 (KW)=3 HP 75 : 7.5 (KW)=10 HP

▲ If the motor does not include an induction motor or a servo motor, the customer can choose the spindle type.

▲ If the motor includes both an induction motor and a servo motor, the spindle type is fixed based on the selected motor.

S1 : Spline 13T DP16/32 (for Induction Motor)
K1 : Keyed ϕ22.22*6.35
K2 : Keyed ϕ19.05*4.76 (for 2HP Servo Motor)

Motor Flange
M : ϕ110
F : ϕ130
G : ϕ180

Order model :

Series	Model body	Fluid Extraction	Pump discharge rate	Required motor	Motor voltage	-	Shaft type	Flange	Maximum Pressure	Control	-	Special code
WH	2	C	16	22	A	-	S1	F	40	F	-	

C : Cutting Fluid (2 - 20 cSt)
H : Hydraulic Oil (22 - 46 cSt, VG32, VG46)
S : Slideway Oil (VG68)

N : No voltage
A : Three-phase induction motor AC220V 50/60HZ
B : Three-phase induction motor AC220V 50/60HZ
CE certified label with IE3 efficiency rating
S : Servo motor (external controller) AC220V
T : Servo motor (integrated controller) AC220V

00 : Pressure Not Set
(Motor not included)

14 : 14 kg/cm²
18 : 18 kg/cm²
24 : 24 kg/cm²
28 : 28 kg/cm²
36 : 36 kg/cm²
40 : 40 kg/cm²
42 : 42 kg/cm²
46 : 46 kg/cm²
60 : 60 kg/cm²
70 : 70 kg/cm²

Pressure must match motor power and flow rate.
(Refer to specifications)

No Mark : Standard Type
F : Inverter Type

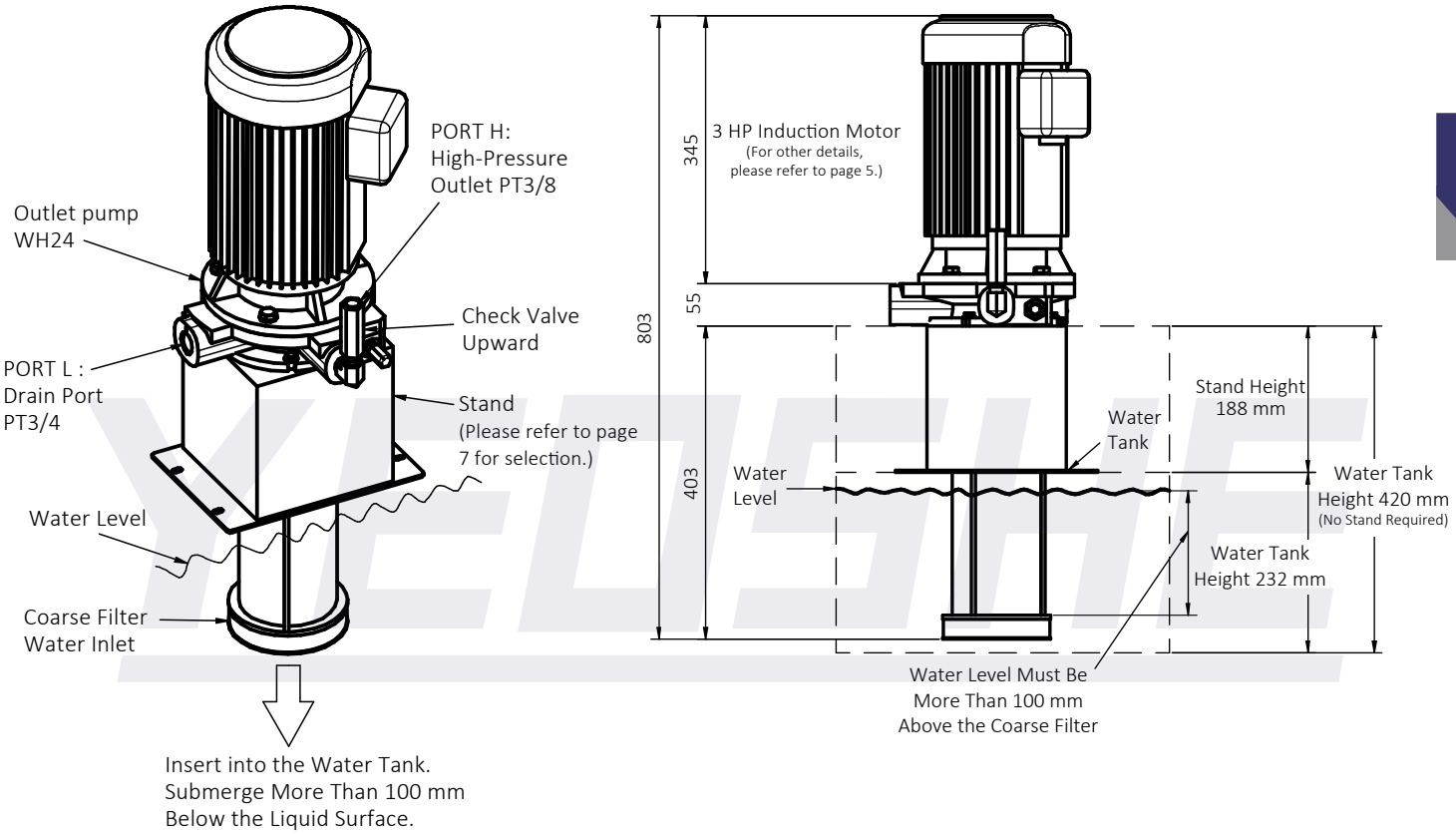
Special Code Usage :
Custom product bundles for repeat orders (Immersible pumps, accessories, stands). A dedicated ordering code can be created for easier future purchases.

This model does not include a tripod.
Please refer to page 7 to purchase a tripod.

Our company reserves the right to make design changes to related products without prior notice.

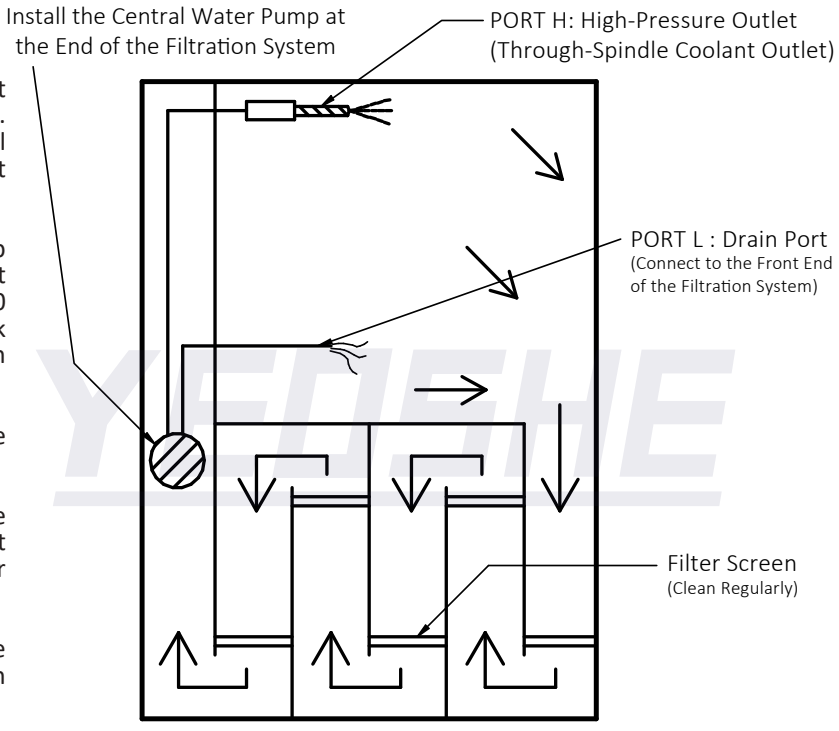
WH High Pressure Central Immersible pumps

Appearance size WH2 (Full Configuration)



Instructions for use

1. Purge air from the pump before operation. Do not connect the high-pressure outlet to the machine. Return the flow to the tank for 3–10 minutes until no foam is observed, then connect the outlet piping to the machine.
2. Install the high-pressure through-coolant pump at the end of the filtration system using a support bracket. Keep the inlet submerged at least 100 mm below the liquid surface. Maintain a tank liquid level above 150 mm and prevent air from entering the inlet.
3. H – High-Pressure Outlet: Connect to the machine tool through-coolant line.
4. L – Drain Port: Connect to the front end of the filtration system. Use a check valve or route part of the piping below the liquid level to prevent air backflow.
5. The pump includes a contaminant discharge function. Clean the external filtration system regularly.

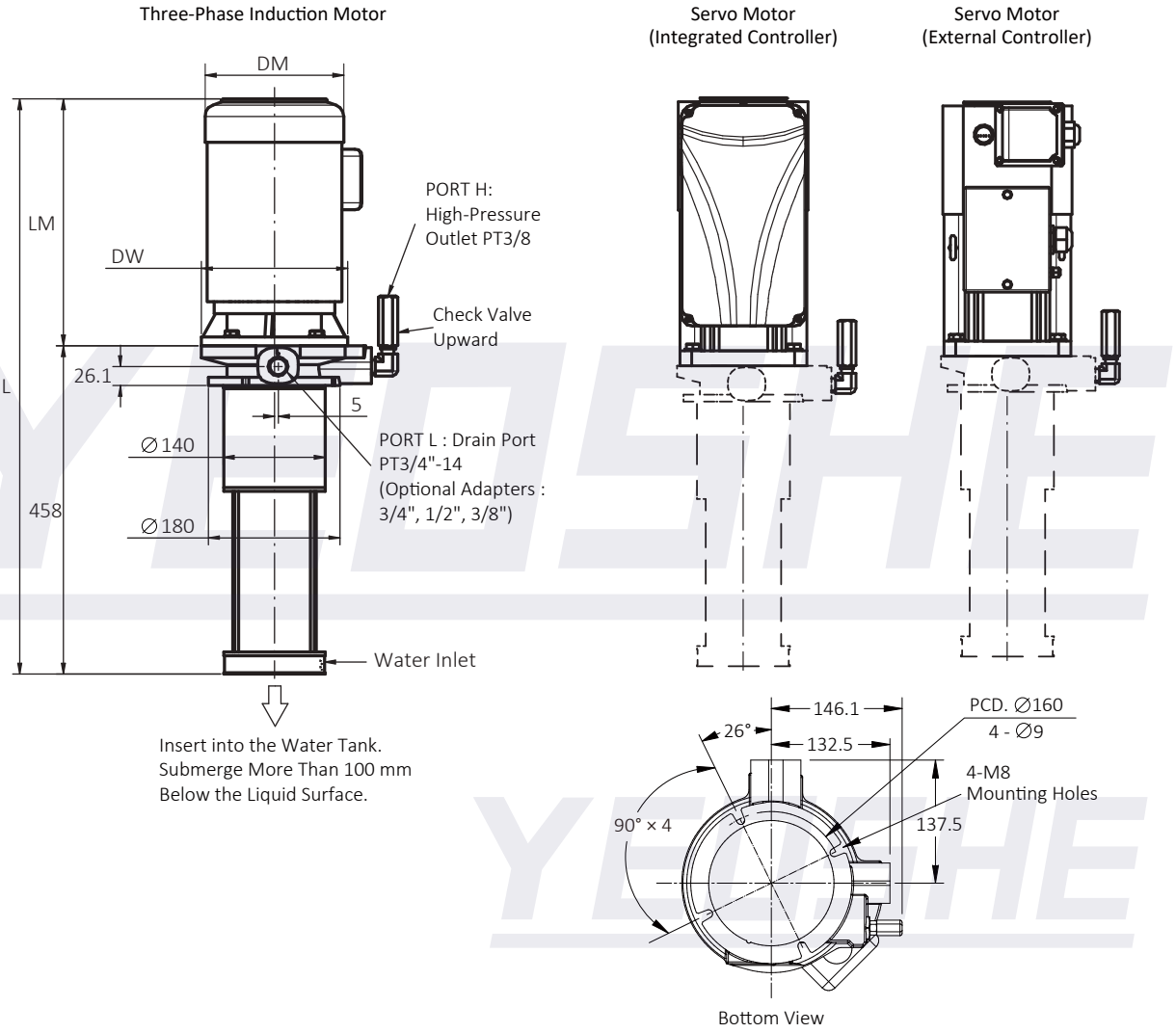


Installation Configuration Diagram (Schematic)

Our company reserves the right to make design changes to related products without prior notice.
Copyright@2024-YEOSHE-ALL RIGHT RESERVED.

WH High Pressure Central Immersible pumps

Appearance size WH2 (High Pressure Central Immersible pumps with Three-Phase Induction Motor)



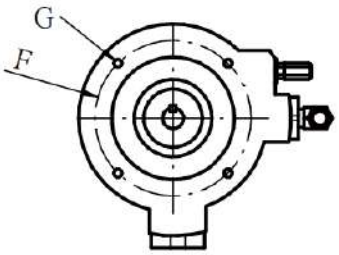
Motor Type	HP (KW)	L	LM	DM	DW	KG
Three-Phase Induction Motor	1HP (0.75KW)			190	200	
	2HP (1.5KW)	763	305	190	200	46
	3HP (2.2KW)	803	345	190	200	53
	5HP (3.7KW)	834	376	190	200	58
	7.5HP (5.5KW)	856	398	190	250	65
Three-Phase Induction Motor (IE3)	2HP (1.5KW)	763	305	190	200	
	3HP (2.2KW)	803	345	190	200	
	5HP (3.7KW)	783	325	236	250	
Servo Motor	2HP (1.5KW)	731	273	190	200	
	7.5HP (5.5KW)	846	388	236	250	
	10HP (7.5KW)	866	408	236	250	

Our company reserves the right to make design changes to related products without prior notice.

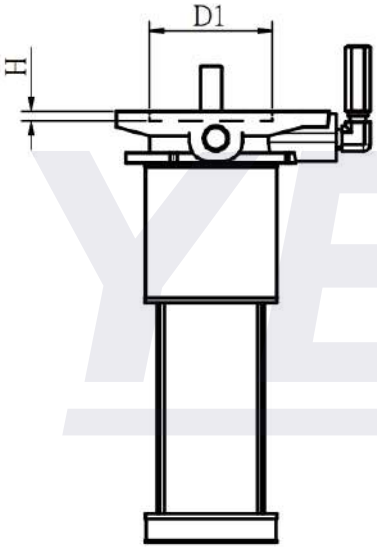
WH High Pressure Central Immersible pumps

Appearance size WH2 (Outlet Pump Mounting Interface and Shaft Type)

Outlet Pump Only
(No Motor)

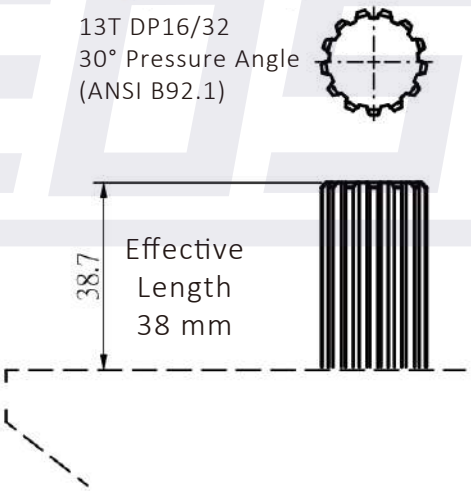


	DW	D1	H	F	G
Flange 130	200	130	10	∅165	M10 x 14 Deep
Flange 180	250	180	10	∅210 / 225	M12 Through

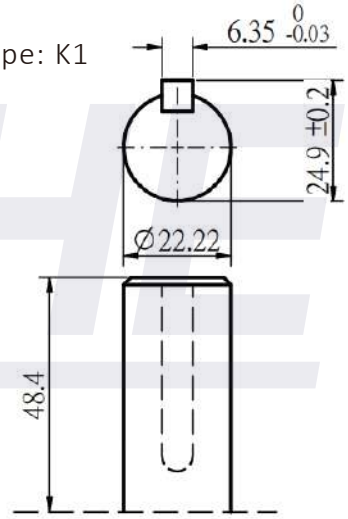


Shaft Type

Shaft Type: S1



Shaft Type: K1



Our company reserves the right to make design changes to related products without prior notice.
Copyright@2024-YEOSHE-ALL RIGHT RESERVED.

Stand Model Specifications

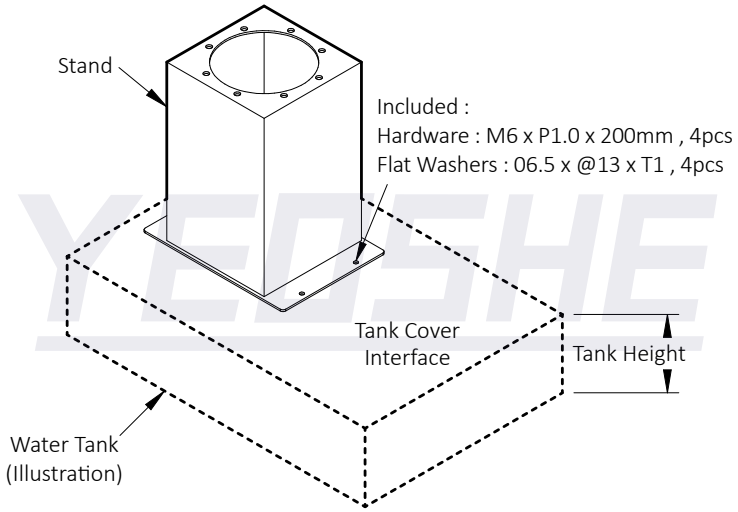
Stand Model Specification Table

Stand Model	Tank Height (B)	Stand Length (L)	Outside Di mension (S)
Without Stand	420	-	-
WH2-F250	250	188	215
WH2-F240	240	198	205
WH2-F230	230	208	195
WH2-F220	220	218	185
WH2-F210	210	228	175
WH2-F200	200	238	165
WH2-F190	190	248	155
WH2-F180	180	258	145
WH2-F170	170	268	135
WH2-F160	160	278	125
WH2-F150	150	288	115
WH2-FXXX	150 - 350	288 - 88	115 - 315

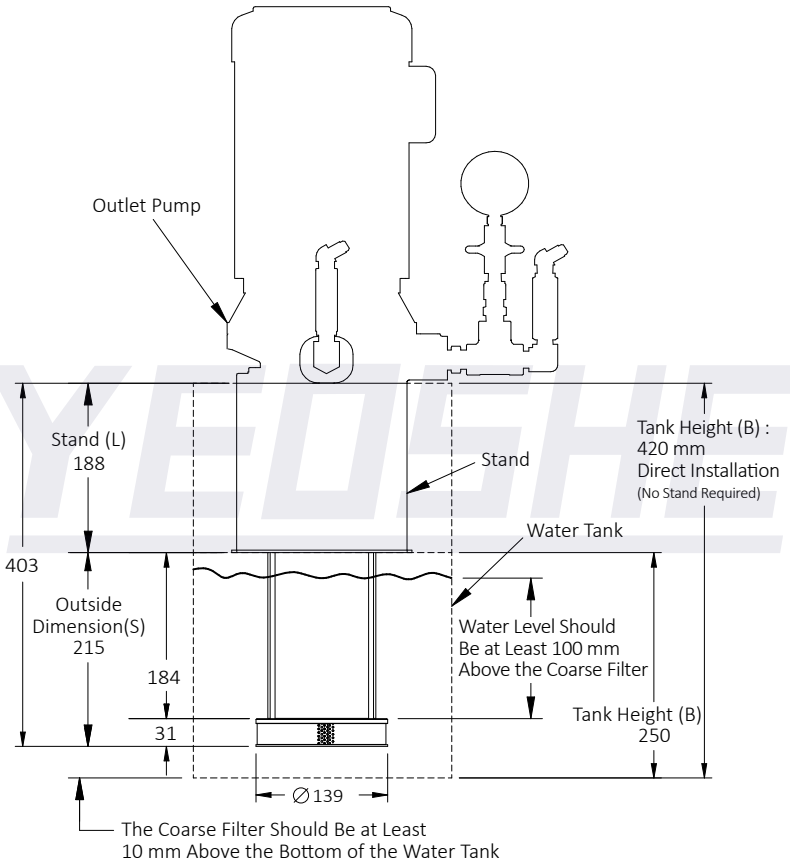
Tank height range : 150 - 350 mm.
Custom sizes are available in 10 mm increments within this range. (Unit : mm)

Stand Instructions

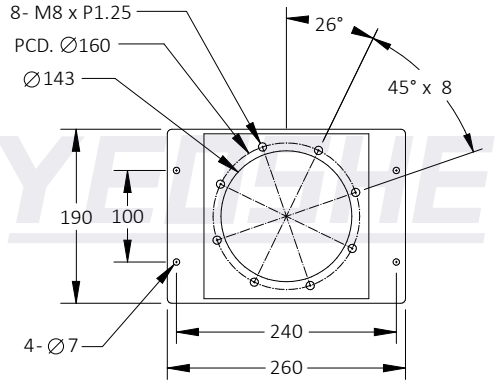
1. When the water tank height is 420 mm or greater, the outlet pump can be installed directly without a stand.
2. **The water level should be at least 100 mm above the coarse filter.**
3. **The coarse filter should be positioned at least 10 mm above the bottom of the water tank.**



Stand Installation (Schematic)

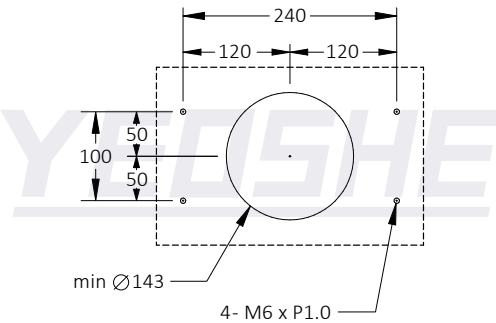


Pump Interface



Pump Interface

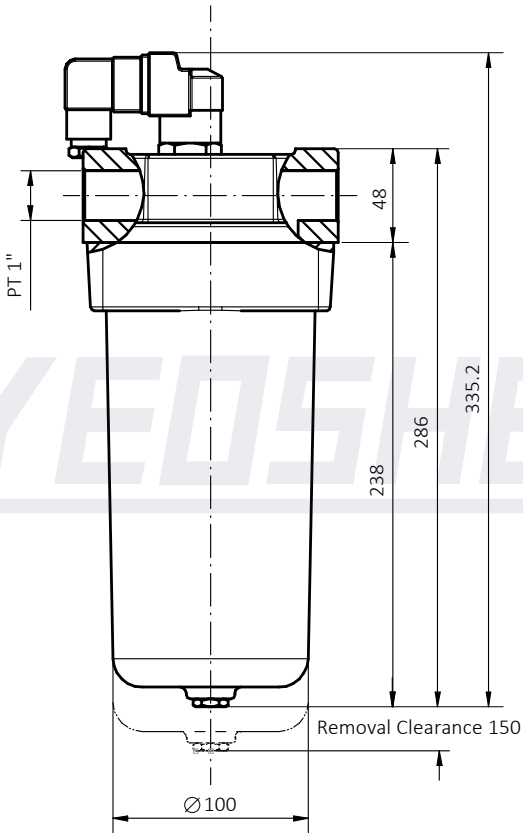
(Install at the End of the Filtration System)

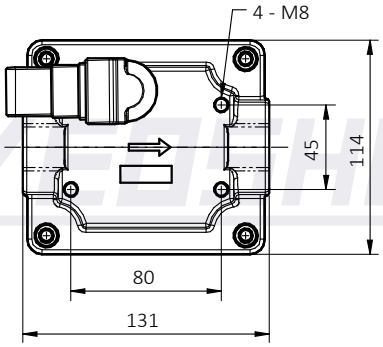


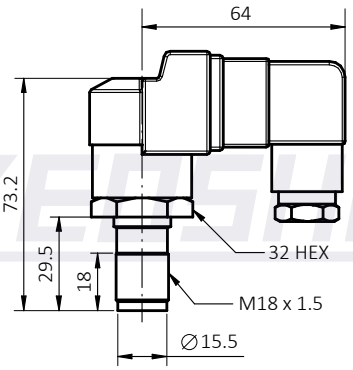
Our company reserves the right to make design changes to related products without prior notice.

High-Pressure Filter Specifications

Model	Flow Rate (L/min)	Maximum Pressure (kgf/cm2)	Filtration Accuracy
RPI-08-2-N-M600	180	70	600M (23μm)
PRI-08-2-N-M800	180	70	800M (18μm)





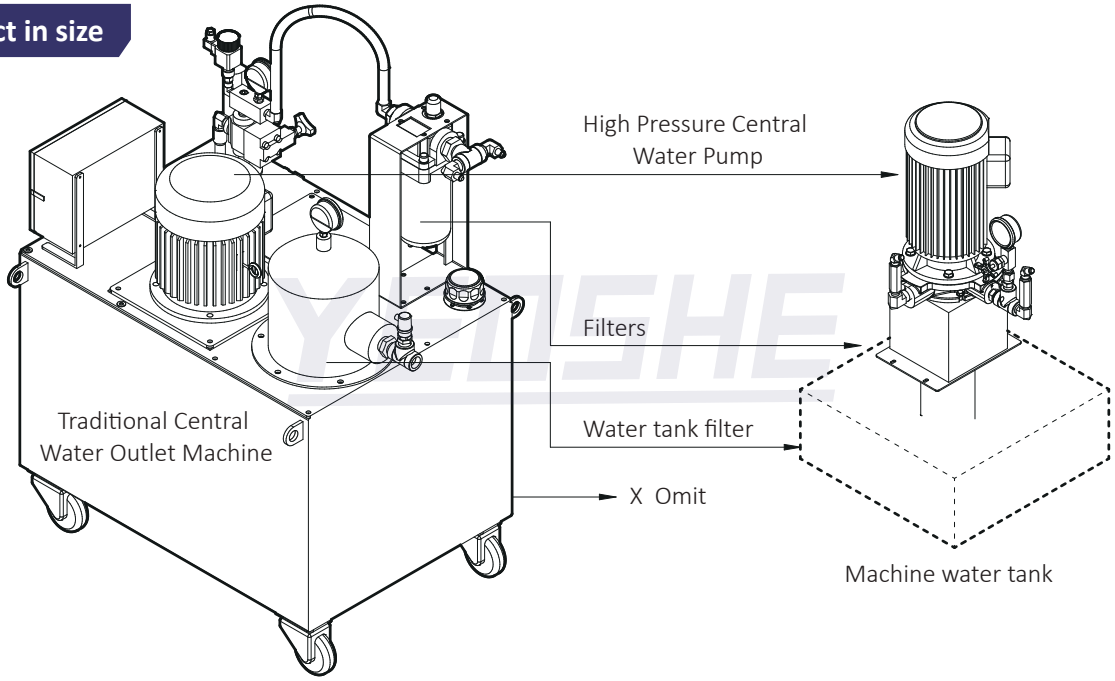


Our company reserves the right to make design changes to related products without prior notice.

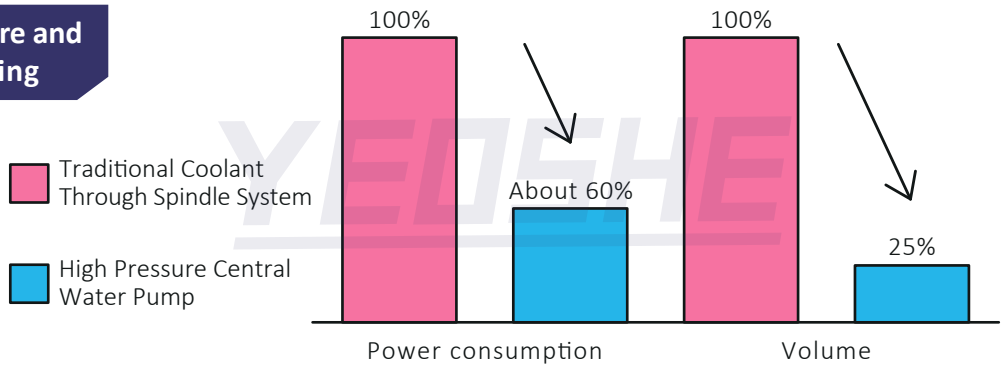
Copyright@2024-YEOSHE-ALL RIGHT RESERVED.

Features and Pressure Range

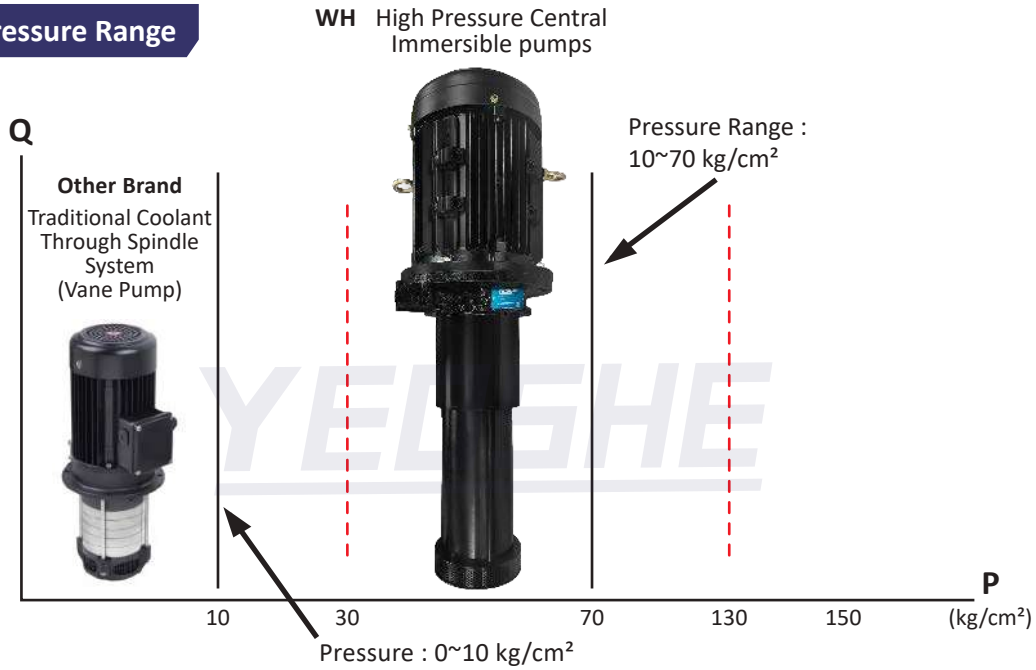
Compact in size



High pressure and energy-saving



Product Pressure Range

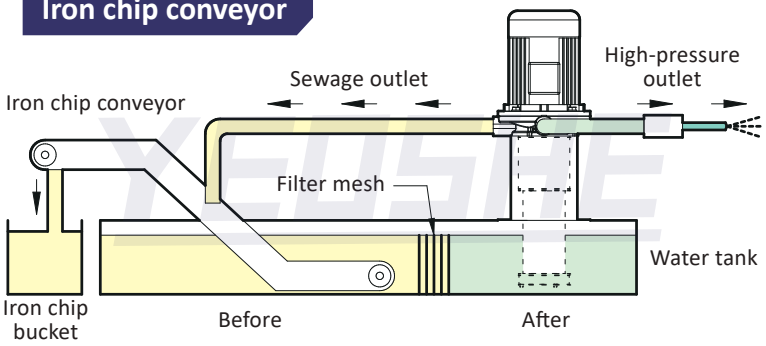


Our company reserves the right to make design changes to related products without prior notice.

WH High Pressure Central Immersible pumps

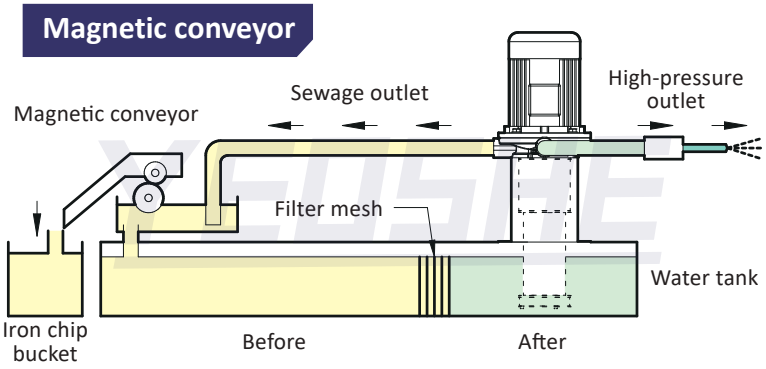
Pipeline configuration

Iron chip conveyor



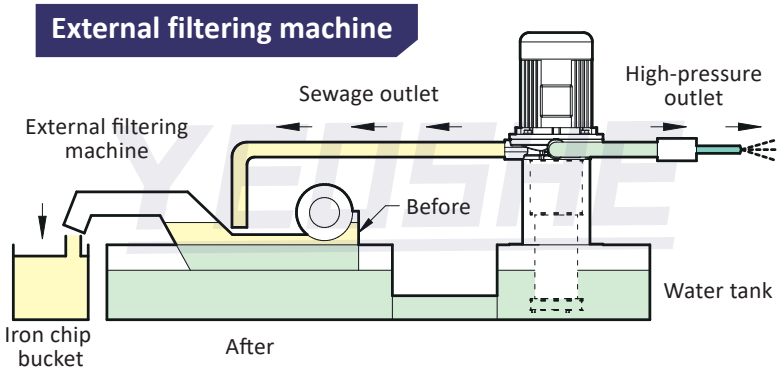
- Applicable Machines :
  NC Lathe, Milling Machine
- Chip Recovery :
  Filter iron chips through an iron chip conveyor
- Type of Chips :
  Larger iron chips or iron powder and particles
- Filtration Method :
  Filter mesh, replace regularly

Magnetic conveyor



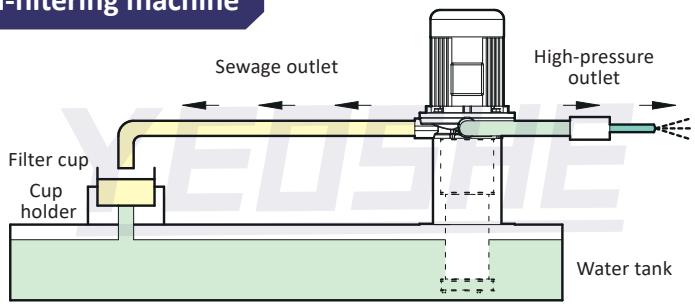
- Applicable Machines :
  Grinding Machine
- Chip Recovery :
  Filter iron powder through a magnetic conveyor
- Type of Chips :
  Smaller magnetic iron chips or iron powder
- Filtration Method :
  Filter mesh, replace regularly

External filtering machine



- Applicable Machines :
  External Filtering Machine
- Chip Recovery :
  Filter non-magnetic impurities through an external filtering machine
- Type of Chips :
  Copper, aluminum, or non-magnetic dust
- Filtration Method :
  Filter mesh, replace regularly

Non-filtering machine



- Applicable Machines :
  Traditional Machines (Traditional Drill Press)
- Chip Recovery :
  Isolate iron powder particles through a filter cup
- Type of Chips :
  General iron powder and particles
- Filtration Method :
  Filter cup, replace regularly

Our company reserves the right to make design changes to related products without prior notice.
Copyright@2024-YEOSHE-ALL RIGHT RESERVED.

YEOSHE BEST CHOICE Efficient Performance
Innovative Technology Reliable Quality and Service



YEOSHE

油聖液壓科技有限公司
YEOSHE HYDRAULICS TECHNOLOGY CO.,LTD.

413 台灣台中市霧峰區霧工一路68號
No.68, Wugong 1st Rd., Wufong Dist., Taichung City, Taiwan, 413
TEL +886-4-2333339 FAX +886-4-23333817 E-mail yeoshe@yeoshe.com.tw

東莞辦事處 Dongguan
CP +86-13600266957 (Miss Zhong) E-mail yeoshe@yeoshe.com.tw

上海辦事處 Shanghai
CP +86-15021931394 (Mr. Wu)
CP +86-18939716986 (Mr. Chen)

經銷商 Distributor

www.yeoshehydraulic.com

版權所有 翻印必究
Copyright @2025 by YEOSHE