

## VEU Compact Series

### Varnish Elimination Unit



#### Description

HYDAC's Compact Varnish Elimination Unit, or VEU Compact for short, is an effective, small form-factor solution to varnish and oil-aging products in hydraulic systems. Modern hydraulic systems are more prone to varnish due to several factors ranging from oxidation to contaminants which can cause oil degradation. The VEU compact can help maintain equipment cleanliness by removing these issues.

#### Features

- All in one system solution
- Removes oil degradation products (solids & gel-like Varnish)
- Improves system reliability and performance
- Reduces deposits on hydraulic valves
- Increases fluid life

#### Applications

- Automotive
- Chemical Processing
- Industrial
- Machine Tools
- Oil and Gas
- Plastic Injection
- Paper Mills
- Hydro Power
- Steel Making

#### Replacement Filter Elements

Model Number	Part Number
VEE-F-4-5-5	4595690



#### Technical Specifications

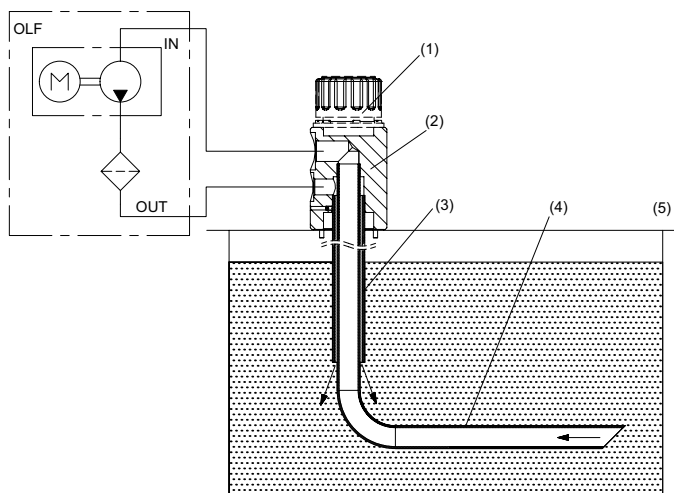
Viscosity Range:	15 - 200 cSt (70 - 925 SUS)
Permitted Oil Temperature Range:	50 - 160 F (10 - 70 C)
Permitted Storage Temperature Range:	32 - 122 F (0 - 50 C)
Operating Pressure:	174 PSI (12 bar)
Permitted Pressure at Suction Port:	-5.8 psi - 7.3 psi (-0.4 - 0.5 bar)
Suction Connection:	ISO 228 - 1 G1
Discharge Connection	ISO 228 - 1 G1
Noise Level at 3ft Distance	< 70 db
Seal Material	FKM / Viton
Permitted Relative Humidity	0 - 80 %
Dry Weight	31 lbs (14kg)

#### Accessories

Model Number	Part Number
Magnetic Quick Fix Plate	4760248
OLF-TAK-5 Kit 2.0 (incl. suction and pressure hose)	3039235

#### Tank Connection Kit

Kit for rapid retrofitting of a VEU-F-5/3 to hydraulic or lubricating oil systems. Can be installed in systems outfitted with breather filters with connection specifications according to DIN 24557/T2.



#### Key

Item	Designation
1	Vent pipe
2	Adapter*
3	Return tube*
4	Suction tube*
5	Tank
*	Scope of delivery

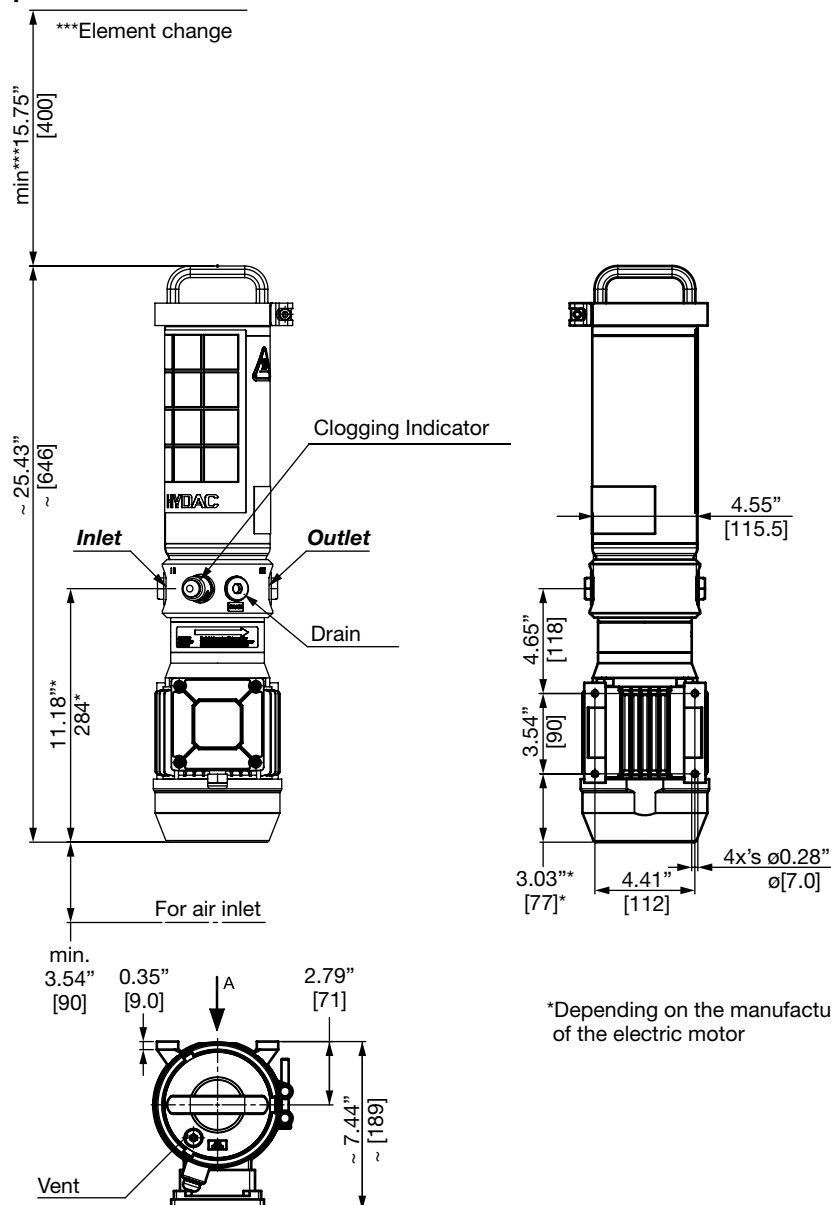
## Model Code

**VEU - F - 5/3 - S - Z - S - O60 - Z - D70**

<b>Series</b>	VEU	=	Varnish Elimination Unit
<b>Function</b>	F	=	Filtration
<b>Size</b>	5/3	=	Filter housing 5 litres / nominal flow rate max. 3 litres
<b>Model</b>	S	=	Stationary
<b>Cooler/heat exchanger</b>	Z	=	None
<b>Pump</b>	S	=	Vane pump
<b>Voltage</b>	O 60	=	460 V, 60 Hz, 3 Ph
<b>Filter Element</b>	VE	=	Varnish Elimination Element
	Z	=	Without filter element ( <i>filter element must be ordered separately</i> )
<b>Clogging Indicator</b>	D69	=	8 bar visual/electrical
	D70	=	5 bar visual/electrical

## Dimensions

### VEU Compact



\*Depending on the manufacturer of the electric motor

Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.