# **GYDAD** INTERNATIONAL



### **Description**

The OLF 15/30/45/60 series of filtration units are robust off-line filters for stationary applications in hydraulic and lubrication systems with a large fluid volume.

Features of the Dimicron elements used in these filters are a particularly high contamination retention capacity and an environmentally safe method of disposal (incinerable).

## Applications

Machine tools

• Plastic injection moulding machines

#### **Advantages**

- Improvement of component and system filter lifetime
- Greater machine availability
- Longer intervals between oil changes
- Very easy maintenance
- Elements have a high contamination retention capacity
- Environmentally safe disposal of elements (incinerable)

# OffLine Filter

OLF 15/30/45/60

## **Technical specifications**

	OLF-15	OLF-30	OLF-45	OLF-60			
Filter element	N15DMxxx (1x)	N15DMxxx (2x)	N15DMxxx (3x)	N15DMxxx (4x)			
Contamination retention capacity to ISO 4572	500 g	1000 g	1500 g	2000 g			
Filtration performance data based on ISO 4572	β <sub>2, 10, 20, 30</sub> > 1000 at ∆p = 2 bar						
Permitted $\Delta p$ across the element (bar)	5						
Material of housing		Stainless s	teel 1.4301				
Volume of housing in I	20	40	60	78			
Max. operating pressure in bar		(	6				
Material of seals (standard)	NBR						
Weight of housing (kg)	11	15	24	28			
Fluid temperature in °C	10 80						
Technical details for motor- pump unit	15 l/min	30 l/min	45 l/min	60 l/min			
Operating pressure of the pump (bar)	4.5 - 5.5						
Permitted suction pressure at suction port	-0.4 +0.5 bar						
Viscosity range with vane pump in mm <sup>2</sup> /s	15 - 500						
Viscosity range with gear pump in mm <sup>2</sup> /s	15 - 1000						
Viscosity range with centrifugal pump in mm <sup>2</sup> /s	1 - 20						
Motor output Vane pump Gear pump Centrifugal pump	370 370 750	750 750 750	1500 1500 1500	1500 1500 1500			
Weight of vane pump (kg)	7.4	13.5	19.5	19.5			
Weight of gear pump (kg)	9.5	15	22	22			
Weight of centrifugal pump (kg)	15	15	25	25			
Material of pump seals (standard)		NE	BR				
Ambient temperature		-10	+40 °C				
Protection class		IP	54				

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## Model code

<u>OLF</u>	<u>-30/15</u>	<u>-S</u>	<u>-N60</u>	-N15DM002	<u>-E/</u>	<u>-PKZ -V</u>

ine Filter,	stationary			-								
n pressure	gauge and	drain valve	)									
nd nomin	al flow rate	) ———										
30 l/min	45 l/min	60 l/min										
X	X	X	1 filter element									
30/30	X	X	2 filter elements									
45/30	45/45	X	3 filter elements									
60/30	60/45	60/60	1 filter elements									
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Note: At 60 Hz operation, the flow rate increases by approx. 20%.

# Hydraulic circuit diagram

OLF without motor-pump unit



OLF with motor-pump unit



## Connections

	Vane pump	Gear pump	Centri- fugal pump
Inlet (OLF 15)	G 3/4	G 3/4	G 1
Inlet (OLF 30)	G 1 1/4	G 1	G 1
Inlet (OLF 45, 60)	G 1 1/4	G 1 1/2	G 1 1/4

# **Element pressure drop**







#### Example OLF-15/Z





### Note

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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