ARBO Pompen en Filters B.V.

ARBO PRODUCTS OVERVIEW

tapflo®

About Tapflo and ARBO

Since 2015 Tapflo is the official and exclusive partner of ARBO Pompen en Filters BV.

ARBO Pompen en Filters b.v. supply excellent, highly reliable and corrosion resistant pumps and f lters for a wide range of duties.
Since the foundation in 1954, ARBO pompen en Filters b.v. focussed on the design and production of sustainable products with a short payback time thanks to signif cantly low maintenance cost.
With a team of experienced engineers, production- and sales staff, ARBO pompen en Filters b.v. services a wide customer base through a worldwide distribution network.
Thanks to the employment of high performance plastics, ARBO pumps offer a remarkably longer life span than metal pumps that will suffer from corrosion.
At ARBO pompen en Filters human, environment and safety take a central position. All scrap material is recycled, in order to safe cost and the environment.

Advanced production methods and 100% quality control of the product before dispatch, give you the guarantee that the goods you ordered will meet your specifications.
All pumps, new as well as repaired, are extensively tested prior to delivery on our test benches that comply with the NEN-EN-ISO 9906-2012 standard. Test reports for delivered pumps are available at any time.

About Tapflo

Tapflo is a leading pump manufacturer with the ambition to provide a wide range of premium products for various industrial applications.
Tapflo is represented by own companies and distributors in more than 60 sales offices spread over the world.
The headquarters are situated in Sweden.
Today the company's product portfolio consists of about 20 different types of pumping equipment to meet all customer needs. Tapflo office in Ukraine was opened in 2003. The head office is located in Kiev.

Many of our products comply with EC ATEX directives for equipment in explosion hazardous environments.
The aseptic series is EHEDG certified (European Hygenic Engineering & Design Group), the pharmaceutical series has USP VI approval.
All our products are obviously CE marked and followed by our comprehensive instruction manuals.
Tapflo manufacturing process is certified according to ISO 9001:2001.

Content

Centrifugal pumps with mechanical seal

Chemical pumps SealPro - compact series KR

Compact series KR SealPro up to 50 m³/h

This series is close-coupled. The pump is mounted directly to the motor flange by means of a plastic bracket. This compact execution is perfectly suited as stationary pump or for use in machines.

Applications

For all transport or circulation duties of corrosive liquids, even high viscosity, with maximum efficiency. This series of pumps is equipped with a state of the art semi-open impeller with pressure release.
It is fixed onto the shaft independent from the direction of rotation.

Materials

Standard is the material PPH that covers a very wide range of duties.
For highly abrasive liquids (high % of solids), at special order, impellers or housing parts of High modulus HMPE are available.
For highly corrosive mixtures at higher temperatures even a pump housing entirely made of virgin PTFE is available.

Technical details pumps	
Design pressure	PN6
Design standard (BG5)	DIN 24.256 - EN 22585 - ISO 2858
Max. system pressure	1.5 Bar with standard seal, 6 Bar optional
Min. flow	1 m³/h
Max. flow	50 m³/h
Max. head	45 m (60 Hz)
Max. viscosity	250 mPas
Max. solid size	2 mm

Materials of construction	Abbreviation	T min. °C	T max. °C
Polypropylene	PP	0	80
High Modulus Polyethylene	HMPE	-50	80
Polyvinylidenfluoride	PVDF	-30	120
Polytetrafluorethene	PTFE	-30	120

Materials of elastomers	Abbreviation	T min. °C	T max. °C
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260

Materials of construction mechanical seal				
Type	Principle	Description	Max. System pressure Bar	Flushing liquid L/h
TGSI	single	internal; Teflon/glas-Silicium carbide	1.5	-
SISI	single	internal; Silicium carbide-Silicium carbide	1.5	-
SISI2	double	internal; seal SISI seal/ external; John crane seal	3	50

Pump code

Pump			Materials						Motor					
Model	Discharge size (D)	Pump housing size	Material wetted parts	Impeller	Seal rotor	Seal stator	Double seal	Gaskets	Pole	Power	Voltage	Phase	Frequency	Atex
KR	15	85	PP	PP	TG	SI 2		E	2	0,18, 0,25	2	1 5 EX		
	20	95	PVDF	PVDF	SI			V	4	0,37, 0,55	3	3 6		
	25	125	HMPE	HMPE				T		0,75, 1,1	4			
	32	160								1,5, 2,2	6			
	40									3,0, 4,0				
	50									5,5, 7,5				

Chemical pumps KR/TK-HD

Compact series KR Chemical standard up to 500 m³/h

This series is close-coupled, but the bracket is made of metal for maximum stability. This compact execution, thanks to a reduced number of wear parts compared with conventional long-coupled pumps, requires less maintenance and related expenses. It is optional available in a vertical execution Model KRV.

Applications

For all transport or circulation duties of corrosive liquids, even high viscosity, with maximum efficiency. This series of pumps is equipped with a state of the art semi-open impeller with pressure release.
It is fixed onto the shaft independent from the direction of rotation. As from type 100-250 and above, a closed impeller for higher efficiency is standard.

Materials

Standard is the material PPH that covers a very wide range of duties.
For highly abrasive liquids (high % of solids), at special order, impellers or housing parts of High modulus PE are available.
For highly corrosive mixtures at higher temperatures even a pump entirely made of PVDF or virgin PTFE is available.

Technical details pumps	
Design pressure	PN10 at 20 °C
Design standard	DIN 24.256 - EN 22585 - ISO 2858
Max. system pressure	2.5 Bar with standard seal, 10 Bar optional
Min. flow	3 m³/h
Max. flow	600 m³/h
Max. head	90 m
Max. viscosity	250 mPas
Max. solid size	3 mm

Materials of construction	Abbreviation	T min. °C	T max. °C
Polypropylene	PP	0	80
High Mudulus Polyethelene	HMPE	-50	80
Polyvinylidenfluoride	PVDF	-30	120
Polytetrafluorethene	PTFE	-40	140
Conductive plastics for ATEX- zones	PP/PVDF/PE-EL		

Materials of elastomers	Abbreviation	T min. °C	T max. °C
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260

Materials of construction mechanical seal				
Type	Principle	Description	Max. System pressure Bar	Flush L/h
TGSI	single	internal Teflon/glas-Silicium carbide seal	2.5	
SISI	single	internal Silicium carbide-Silicium carbide seal	2.5	
SISIPK	single	internal bellow seal Silicium carbide-Silicium carbide	10	.
TGS12	double	internal TGSI seal/ external John crane seal	3.0	50
SIS 12	double	internal SISI seal/ external John crane seal	3.0	50
TGSI2BL	double	internal TGSI seal/ internal John crane seal	10.0	50
SISI2BL	double	internal SISI seal/ internal John crane seal	10.0	50

Pump code

Pump			Materials						Motor					
Model	Discharge flange size (D)	Pump housing size	wetted parts	impeller	Seal rotor	Seal stator	Seal type	Gaskets	Pole	Power kW	Voltage	Phase	Frequency	Atex
KR	32	160	PP	PP	TG	SI	-	E	2	0,75, 1,1	2	1	5 EX	
KRV	40	200	PVDF	PVDF	SI		PK	V	4	1,5, 2,2	3	3	6	
TK	50	250	HMPE	HMPE			2	T	6	3,0, 4,0	4			
	65						2BL		8	5,5, 7,5, 10	6			
	80									11, 15, 18,5				
	100									22, 30, 37				
	125									45, 55, 75				
	150													

Seal-less immersible centrifugal pumps

Seal-less immersible Pumps SumPro

ARBO immersible pumps are single stage centrifugal pumps for open tank installation or in sumps. The pump part is immersed in the liquid and the motor remains above the liquid surface. They are perfect for circulation or transfer purposes with fixed or fluctuating level. The pumps operate by means of a "liquid seal" without any mechanical seal what so ever.

Applications

For all transport or circulation duties of corrosive liquids, that may content even high amount of particles or sludge with medium viscosity. This series of pumps is equipped with a state of the art semi-open impeller that is fixed onto the shaft independent from the direction of rotation.

Materials

Standard is the material PPH that covers a very wide range of duties.
For highly abrasive liquids (high percentage of solids), at special order, impellers or housing parts of High Modulus Polyethylene are available.
For highly corrosive mixtures of acids at higher temperatures even a pump housing entirely made of virgin PVDF is available.
For our smaller series, we can make PTFE pump housings to deal with strong alkaline at higher temperatures.

Technical details pumps	
Design pressure	PN6
Design standard (BG1/2C)	DIN - EN 12157
Max. system pressure	not applicable; "open system"
Min. flow	BG1-3: 0,5 m3/h; BG4: 1 m3/h; BG5: 3 m3/h
Max. flow	45 m3/h
Max. head	56 m (60 Hz)
Max. viscosity	250 mPas
Max. solid size	3 mm

Materials of construction	**Abbreviation**	**T min. °C**	**T max. °C**
Polypropylene	PP	0	80
High Modulus Polyethylene	HMPE	-50	80
Polyvinylidenfluoride	PVDF	-30	120
Polytetrafluorethylene*	PTFE	-40	140
Conductive plastics for ATEX- zones	PP/PVDF/PE-EL		

Pump code

Pump			**Materials**				**Connection**	**Motor**					
Model	**Discharge size (D)**	**Housing size**	**Wetted parts**	**Impeller if different**	**Gas seal**	**Gaskets**	**Discharge (d)**	**Pole**	**Power kW**	**Voltage**	**Phase**	**Frequency**	**Atex**
DO	15	55	PP	PVDF		E	R	2	0,12, 0,25	2	1	5	EX
	20	80	PVDF	HMPE	GD	V	U	4	0,37, 0,55	3	3	6	n
	25	125				T	CP		0,75, 1,1	4			
	32	160					BB		1,5, 2,2	6			
	40								3,0, 4,0				
	50								5,5, 7,5				

Options

Suction pipe

In order to empty deep sumps ARBO offers suction pipe extension up to a total immersible length of 3 mtr.!
Extended suction pipes are split into sections of 1.2 mtr. maximum for easy transport. It is recommended to support long suction pipes to the sump wall, however these supports need some flexibility and should not cause vibration.

Footvalve (for clean solutions only)

If starting at any level is requested, ARBO offers a very reliable corrosion resistant foot valve to maintain the liquid level inside the pump housing.
Filled once, the pump is able to start again even though the liquid level in the sump is below the impeller housing.

This construction features:

- Maintenance free operation over long working life
- Service friendliness
- Radial installation/removal
- Quick and precise opening and closing
- Low opening pressure of 0.025 Bar

Discharge pipe U-execution

So that you can easily connect your pump into the piping, ARBO offers several connections and adaptors. Standard for the SumPro series is the U execution. It is a 3D socket welding union complete with O-ring.

R-execution

Should you like to have a threaded connection, in order to use any kind of counterpart, please order the R execution. It consists of a +GF+ union bush with O-ring.

Optional

You may wish to order different counter parts in f.i. PVC or PE to match your piping.

Union nut

Union

CE-execution

Offers some cost reduction and more flexibility to machine makers who want to use own build-in discharge piping. There is a threaded connection directly to the impeller housing.

Vertical pumps - model BB

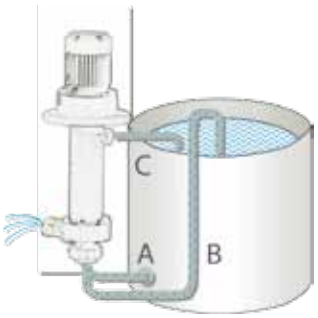
This pump, for 'out of tank' use offers the same advantages as the standard SumPro series.

Dry run resistant
Although the pump is "dry-mounted" it can be run dry without damage as there is no seal and no bearing in the pump housing. An advantage when handling abrasive or crystallizing liquids.

Space effective
Additional advantages are that it can be used where there is insufficient space inside the tank, and that it can pump over a second circuit by tapping the suction pipe, for example, for pre-coating or flushing operations.

Corrosion resistant
There is no metal to liquid contact; wetted parts of the pump can be PP or PVDF according to suitability for the intended use. Gaskets of EPDM are standard and optional are Viton or PTFE-encapsulated O-rings

The suction pipe can be connected directly through the tank wall (A) or it can be in the form of a siphon pipe (B), as shown in the drawing.
In the event of a closed valve on the discharge pipe, the overflow pipe (C) relieves pressure by conducting the liquid back into the tank.



Corrosion resistant "seal-less" immersible pumps model HD

Characteristics

- All wetted parts made massive blocks of corrosion resistant plastic PP or PVDF
- Close coupled - compact design
- No seal or bearing in the pump housing:
  - ~ pump can be run dry
  - ~ pump can handle any abrasive or crystallizing liquid
  - ~ pump allows particles till Ø 5 mm in suspension.
- Immersible length of max. 2.5 meter by extended suction pipe
- Floating types for emptying deep tanks at any level
- Low operational costs and maintenance friendly
- Flow rates 10 - 150 m^3/h
- Maximum operating temperatures:
  - ~ PP : 80°C
  - ~ PVDF : 120 °C
- Motors:
  - ~ Standard IEC , 2 or 4-pole motors with voltage 400/690 V/ 3 Ph/ 50 or 60 Cy with protection class IP55, insulation class F and rain cover. The motors are protected against bad fumes by a labyrinth seal and are epoxy resin paint coated.
- Impellers:
  - ~ Because ARBO submersible pumps are particularly suited for very dirty liquids, they are provided with semi-open impellers which are fixed independently from the direction of rotation. The special TS-impeller shape creates, when running, a "liquid seal" around the impeller and the shaft (see operation A-B-C)
- Options:
  - ~ Level controllers for automatic operation.
  - ~ Motors with special voltages, insulation classes or explosion proof
  - ~ Model BB for installation "out-of-tank"

Pumps protection

In order to minimise maintenance cost and process losses, we strongly recommend to install some monitoring and protecting systems that we offer optional to your product:

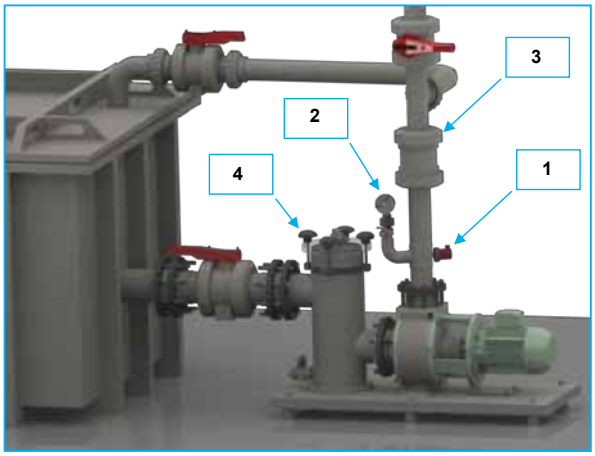
1. Dry running protection

2. Pressure gauges

3. Priming units/ Non-return valves

4. Suction strainers

Each of these systems is explained further.



General information

All products are machined of massive PP that covers a very wide range of duties - there is no metal to liquid contact. All reinforcement parts are made of SS-316.

For highly abrasive liquids (high % of solids) parts of High modulus **HMPE** may be ordered.

For highly corrosive mixtures at higher temperatures virgin **PVDF** is available.

Materials of construction	**Abbreviation**	**T min. °C**	**T max. °C**
Polypropylene	PP	0	80
High Modulus Polyethylene	HMPE	-50	80
Polyvinylidenfluoride	PVDF	-30	120
Polytetrafluorethene	PTFE	-30	120
Materials of elastomers	**Abbreviation**	**T min. °C**	**T max. °C**
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260
Materials of connections	**Abbreviation**		
Male straight pipe thread	R		
DIN2501 PN10 Flanges	F		
3-D Unions +GF+	U		

Dry running protector

High and low pressure safety cutout

This compact, easily fitted pressure switch can be wired into control circuits or contactors to provide high or low pressure safety cut-out. Alternatively, it can be wired to give an audible or visual high or low pressure alarm.
It is ideal for the protection of pumping equipment, which can be damaged by cavitation, dry running or pressure build-up. The unit, which contains a diaphragm operated pressure switch, is mounted in the discharge pipe close to the pump by means of a tee fitting with a female threaded branch.

Materials:

- Lower housing
  ~ PP max. 80 °C ~ PVC max. 60 °C ~ PTFE max. 120 °C
- Diaphragm EPDM, Viton or Viton/PTFE

Pressure rating:

~ Max. line pressure: 5 bar
~ Operating pressure: 0,1 - 0,2 bar

It must be wired to an electro-magnetic relay which can either be incorporated in or linked to the switchbox controlling the power supply to the pump motor. It can be used with any single or 3 phase motor.

Pressure Switch

Installation tees for mounting the switch unit in the pipeline can be supplied in all sizes in metal or plastics materials.

Cavitation or Dry Running

If cavitation occurs or the pump runs dry, the discharge pressure will drop; this actuates the pressure switch and, through the electro-magnetic relay, cuts the power supply to the pump.

An adjustment screw, accessible beneath a cover on the head of the unit, enables the pressure switch to be set to operate at a given pressure drop. A minimum discharge pressure of 2m head is required.

The pressure switch is designed for use with clean, non-crystallizing liquids.

For liquids containing particles in suspension or which are liable to crystallization, the unit can be supplied with an intermediate chamber containing a diaphragm through which line pressure changes are transmitted to the switch. The advantage of the intermediate chamber is that it has larger and less restricted surface areas open to the line fluid, thus significantly reducing the likelihood of blockage.

Diaphragm (switch) gauges

Diaphragm gauge
(Code MM)

Visual monitoring system with optional safety cut-out

The ARBO diaphragm gauge can be used for neutral or corrosive media.
All wetted parts are made of highly corrosion resistant plastics or stainless steel.
There is no contact between gauge and liquid.
The gauge is separated from the chemical by a diaphragm. Pressure transmission takes place by means of a buffer solution.
The large diaphragm area in combination with the tiny compressibility of the buffer solution provides a very accurate indication.
The unit, is mounted in the discharge pipe close to the pump by means of a tee fitting with a male 1/2 "threaded branch.
Thanks to the special design, the gauge can be rotated 360° in order to put it in the best reading position.

Materials:

- Diaphragm housing : PP, PVDF
- Diaphragm/other gaskets : PTFE covered

Max. operating temperature:

PP : 0 to +80°C
PVDF: -40 to +120°C
Max. operating pressure: PN 4
Connections: R ½" inner; R 1" or R 1¼" outer
Ranges: 0-4 Bar

Advantages:
- Practically maintenance free
- Easy to install
- Also available with air release valve (code MMO)

Installation tees for mounting the pressure switch in the pipeline can be supplied in several sizes in plastics materials.

Flow control or Dry Running

Also available with contact switches (code MKM) **for dry running protection of pumps or excess pressure control f.i. for filter systems.**

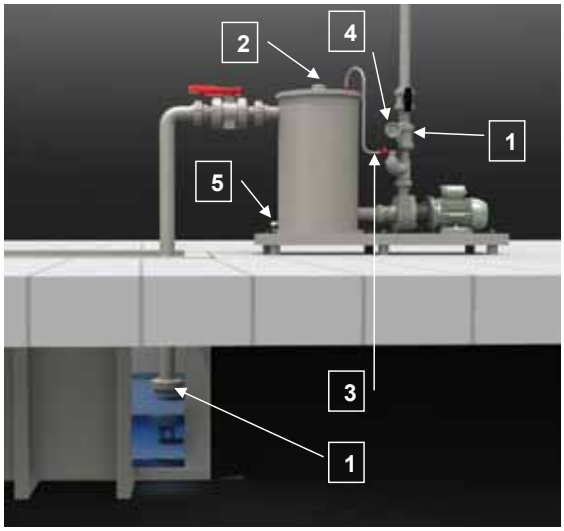
If the discharge pressure is increasing or dropping, this actuates the pressure switch and, through the electro-magnetic relay, cuts the power supply to the pump. It must be wired to an electro-magnetic relay which can either be incorporated in or linked to the switchbox controlling the power supply to the pump motor.

The pressure switch is designed for use with clean, non-crystallizing liquids.

For liquids containing particles in suspension or which are liable to crystallization, the unit can be supplied with an intermediate chamber containing a diaphragm through which line pressure changes are transmitted to the switch. The advantage of the intermediate chamber is that it has larger and less restricted surface areas open to the line fluid, thus significantly reducing the likelihood of blockage.

Priming Units

Priming units create self- priming capabilities for centrifugal pumps.
By means of a specific calculation, the necessary volume for every typical priming application may be calculated.
We offer a wide range of standard priming units but produce custom build units as well, even as big as 500 litre.
Once filled, the pump will be capable of priming the suction line and releasing the air through the discharge line.
In order to prime automatically every charge, it is necessary that the pump is switched off before it empties the priming unit. To ensure this and to protect your pump, we can advise on optional devices.



Materials
Standard is the material PPH that covers a very wide range of duties.
For highly corrosive mixtures at higher temperatures even a reservoir entirely made of PVDF may be offered. The standard priming unit has EPDM gaskets.

Materials of construction	Abbreviation	T min. °C	T max. °C
Polypropylene	PP	0	80
Polyvinylidenfluoride	PVDF	-30	120
Polytetrafluorethene	PTFE	-30	120

Materials of elastomers	Abbreviation	T min. °C	T max. °C
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260

Materials of connections	Abbreviation
DIN2501 PN10 Flanges	F
3-D Unions +GF+	U

Options

Pos.	Description	Standard	Alternatives		
1	Non-return valve	PPH	PVDF	PVC	PE
2	Transparent filler opening	PPH	PVDF	PVC	PE
3	Air release valve with hose adaptor for recirculation line	PPH	PVDF		
4	Diaphragm gauge	PPH	PVDF		
5	Drain valve instead of plug	PPH	PVDF		

Max. operating pressure at 20°C: *-0.8 to 2 Bar*
Recommended flow velocity in suction line: *1 m/s.*

Suction strainers

ARBO suction strainers are primarily used to protect pumps against foreign particles. This can prevent serious damage of your pumps and will therefore reduce maintenance cost and process down time.
All ARBO strainers are all designed under consideration of the recommended maximum flow velocity for centrifugal pumps.
The pressure drop over the strainer basket is very low, therefore ARBO strainers are well suitable for processes with higher liquid temperatures and low NPSH situations.
We offer a wide range of standard units but produce custom build units as well.
For situations where a limited suction lift is required, this unit may be suitable as well. Please consult our sales department for a specific calculation and quote.

Max. operating pressure at 20°C : -0.8 to 2 Bar
Recommended flow velocity in suction line : 1 m/s.

Materials

Standard is the material PPH that covers a very wide range of duties. For highly corrosive mixtures at higher temperatures even a reservoir entirely made of PVDF may be offered. The standard priming unit has EPDM gaskets.

Materials of construction	Abbreviation	T min. °C	T max. °C
Polypropylene	PP	0	80
Polyvinylidenfluoride	PVDF	-30	120

Materials of elastomers	Abbreviation	T min. °C	T max. °C
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260

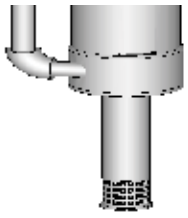
Materials of connections	Abbreviation
DIN2501 PN10 Flanges	F

Non-return valves

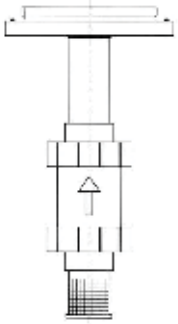
Characteristics

- Fully corrosion resistant PP, PVC or PVDF - no metal to liquid contact
- Gaskets of EPDM (standard) or Viton
- With PTFE-encapsulated spring for maximum security
- Absolutely leak free with clean liquids
- Can be mounted horizontally or vertically in suction or discharge pipes of centrifugal pumps.
- Valve can be radially disassembled so piping can remain in position.
- Opening pressure 0.025 Bar

Non return valve to be installed in the suction pipe extension to be able to start at any level without foot bearing



SumPro DO-BG1-2-3	d 50	DN 40
SumPro DO-BG4-5	d 50	DN 40
DO-32/40/50-160/200/250-HD	d 75	DN 65
DO-65-200/250-HD	d 90	DN 80



Filter chambers

Applications
For all duties that require accurate removal of organic or an-organic particles from corrosive liquids with maximum efficiency. Can be used as in-line or off-line process filter.
Wide variety of standard configurations for inline pump protection available (refer to "pump protection").

Materials
Machined of massive PP that covers a very wide range of duties - there is no metal to liquid contact. All reinforcement parts are made of SS-316.
For highly abrasive liquids (high % of solids) housing parts of High modulus HMPE may be ordered.
For highly corrosive mixtures at higher temperatures even a housings entirely made of virgin PVDF are available.
Bag filters can be produced from PVC-CAW for liquids that contain high percentage of Chlorine.

Safety
The system is designed to ensure by-pass free filtration. The cover closure is provided with firm hand wheels on swing bolts so that there are no loose parts. The transparent cover enables simple air lock inspection in order to make full use of your filter elements. An air release valve is standard and the rotatable diaphragm gauge gives insight in your filter load.

Technical details filters	
Design pressure	PN4
Max. system pressure	4 Bar at 20 °C, 6 Bar optional
Max. flow	80 m^3/h
Filter retention	0,5 - 1200 mm

Materials of construction	Abbreviation	T min. °C	T max. °C
Polypropylene	PP	0	80
Polyvinylchloride	PVC-CAW	-20	60
High Modulus Polyethylene	HMPE	-50	80
Polyvinylidenfluoride	PVDF	-30	120

Materials of elastomers	Abbreviation	T min. °C	T max. °C
EPDM	E	-40	150
Viton	V	-25	220
Polytetrafluorethene	T	-190	260

Materials of connections	Abbreviation
DIN2501 PN10 Flanges	F
3-D Unions +GF+ or FIP	U

Separate Filter chambers
In order to give the best possible solution for each customer's specific filtration requirement, there are several ranges of filter systems available.

Model IC => Individual Cartridge holding. Filter chambers specifically designed for wound filter cartridges

Model MP => Multi Purpose filter package with separate filter package holder with cartridges or discs

Model NK-HD => Heavy Duty cartridge filter for max. operating pressure at 20 °C of 6 Bar

Model FI-B =>Filter Bag chambers - an effective alternative for cartridge filter systems

Model KO =>Active Carbon Filter chamber. Specifically designed for active carbon granular to remove organic contamination from corrosive liquids.

Belt Oil skimmers

Description - Principles

ARBO oil-skimmers exist of a scraper-construction and an electrical drive. An endless moving belt or plastic disc turns through the liquid and removes floating oil or other liquid of which the adhesion is bigger than that of the tank liquid. At the discharge a hose can be connected for the removal of the skimmed liquid to a suitable storage tank or drum. For determination of the correct belt length, the height of the drum and the position of the discharge connection with respect to the lower side of the machine must be taken into consideration.

Application

Oil skimmers are designed for corrosive applications and depending upon the materials chosen well suited for acids or alkaline. For belt skimmers we offer 2 kinds of belts:

- For Acid: use white belt
- For Alkaline: use green belt

Benefits

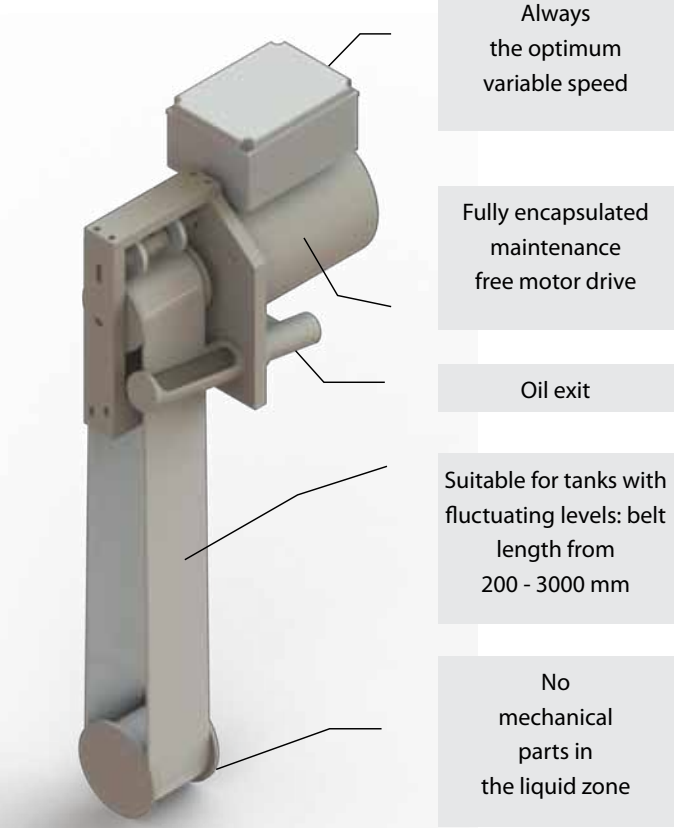
- Light weight
- Easy to move around
- Low maintenance
- Controllable cost

The model LI-80 oil skimmer is a well-established and easy to install device for reducing pollution whilst at the same time recovering valuable materials, oils and fats from the surface of water and other liquids.

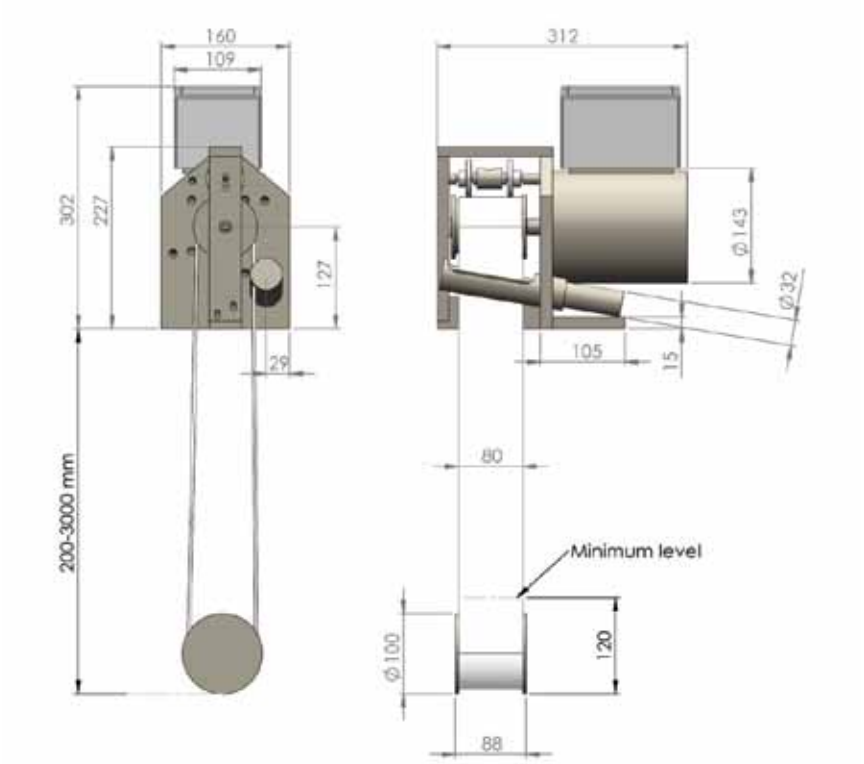
As all "wetted" parts are made of plastic, the use of this skimmer is not restricted to water only. Also alkaline liquids or acids can be treated successfully. Floating oil adheres to an endless moving belt and is lifted vertically on the belt and skimmed of by a wiper tube for discharge to suitable storage vessels.

As the belt is only 80 mm wide, the unit takes little space. The skimmer can therefore be mounted permanently on the bath and can clean continuously, also during production hours.

The belt is kept under tension by a free running drum without bearings. As there are no mechanical parts in the liquid, breakdowns due to filthiness are quite impossible.



Technical details	
Easy to remove endless belt	80 mm wide
Immersible depth below mounting surface	200-3000 mm
Capacity at oil SAE10	0-4 l/h
Maximum operating temperature	70 °C
Technical details motors	
Standard	Maintenance free drive
Power	36 Watt
Duty	Continue duty: S1
Voltage	220-240 V/ 1 Ph/ 50/60Hz
Nominal current	0,36 A
Speed	2-10 min-1 via PCB with potmeter
Protection class	IP55 (IEC 34-5/ NEN-EN 60034-5)
Insulation class	"F" (AT=80 C)
Maximale relative vochtigheid	< 95%



Materials of construction	Abbreviation	T min. °C	T max. °C
Skimmer parts of Polypropylene	PP	0	80
White skimmer belt for acids	W	0	70
Green skimmer belt for alkaline	G	0	70

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Tapflo Makina Yapı Endüstri San. ve Dış Tic. Ltd. Şti.

Merkez ofis:
Atatürk Mah. İkinci Cad. No:3
K:1 D:4 34758 Ataşehir –
İstanbul/TÜRKİYE
Tel : 0 216 467 33 11/31
Fax : 0 216 467 33 42
E-mail: sales@tapflo.com.tr

İstanbul Asya Bölge Satış Müdürü:
Cep : 0542 611 10 51
E-mail: istasya@tapflo.com.tr

İstanbul Avrupa Bölge Satış Müdürü:
Cep : 0532 570 82 98
E-mail: istavrupa@tapflo.com.tr

Bursa Bölge Satış Müdürü:
Cep : 0532 570 48 24
E-mail: bursa@tapflo.com.tr

SPX Türkiye Satış Müdürü:
Cep : 0532 570 67 39
E-mail: spx-turkey@tapflo.com.tr

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