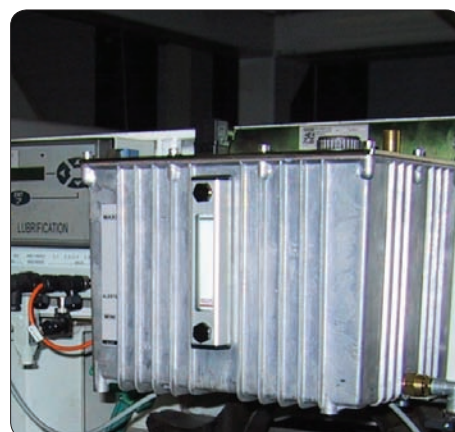
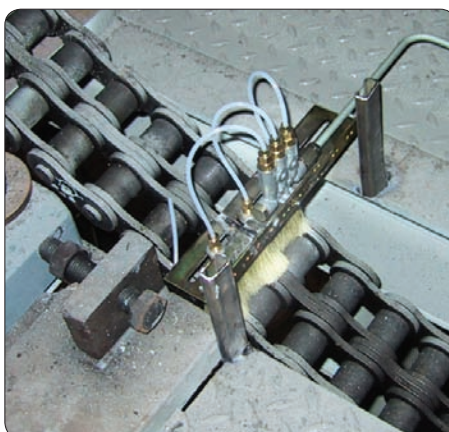
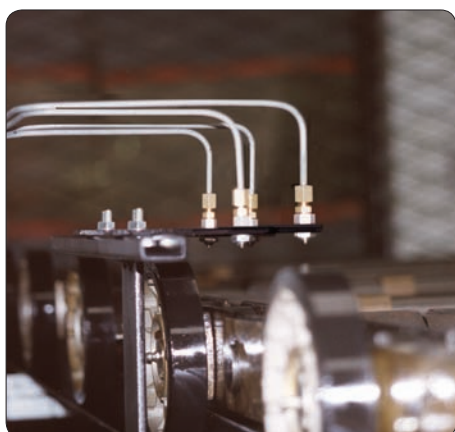




Chain lubrication, accessories

Nozzles, oiling-brushes, reservoirs and other accessories for the chain lubrication



VOGEL

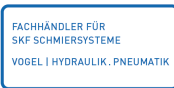
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Oil projection nozzle AC-A

Compact design, pinpoint accuracy, high temperature resistant, the projection nozzles AC-A suit perfectly to aggressive surroundings. These nozzles are spraying, **straight and without air**, microdosis of oil under pressure, which are delivered by pneumatic or electromagnetic micro-pumps. The spray distance can vary from a few centimeters up to several decimeters.

AC-A nozzles project **mineral or synthetic oil** with a viscosity of 100 mm²/s at 40°C. The projected metered volumes range from 10 to 60 mm³ according to the model.

Nozzles have a metallic casing and are equipped with a check valve. They have fluorocarbon seals (FPM) (not in the case of high temperature application). They are fed via tubes Ø 4x0.75 with a max. length of 3 m.



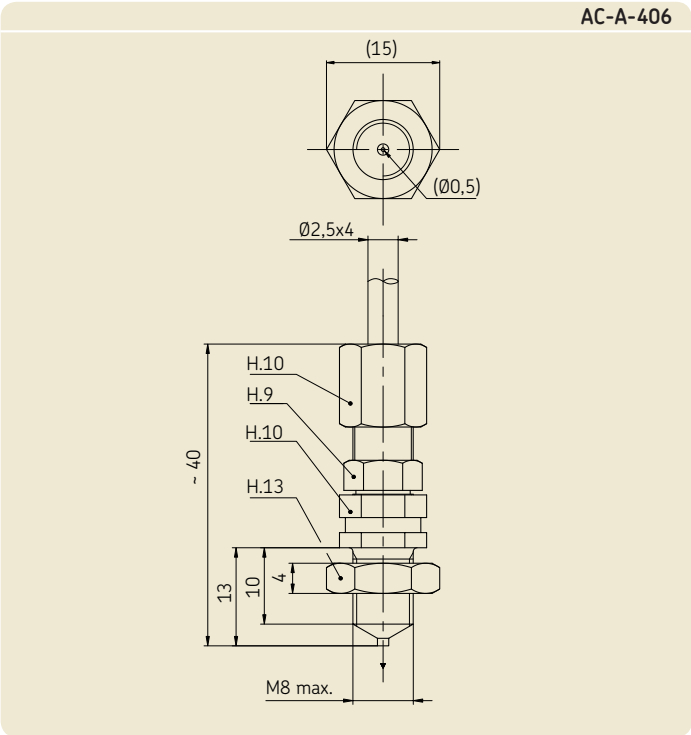
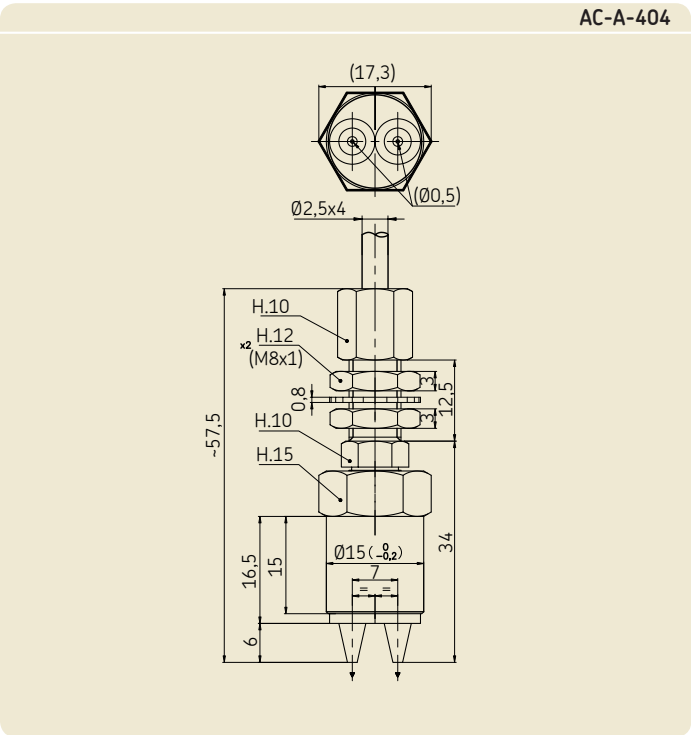
Note

The tubes have to be imperatively metallic, as direct as possible, and without connector on the pump/nozzle line. The inner diameter of the tube shall not exceed 3 mm.

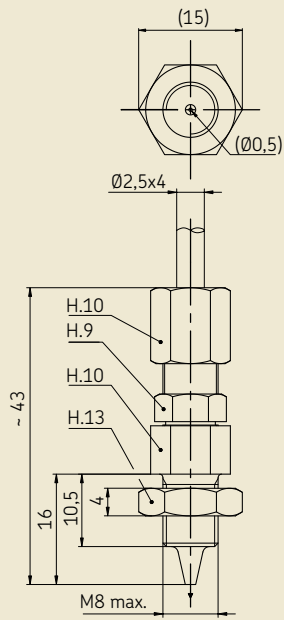
Order information

Order No.	Volume possible [mm ³ /stroke]	Number of outlets	Valve* [bar]	Temperature [°C]	Seal	Fixing	Weight [g]
AC-A-404	40/60	2	6	+10 ... +220	FPM	Ø 15 / Ø8x1	52
AC-A-406	20/40	1	6	+10 ... +220	FPM	M 8x1.25	22
AC-A-416	40/60	1	6	+10 ... +220	FPM	M 8x1.25	25
AC-A-406-BP	20/40	1	3	+10 ... +250	-	M 8x1.25	21

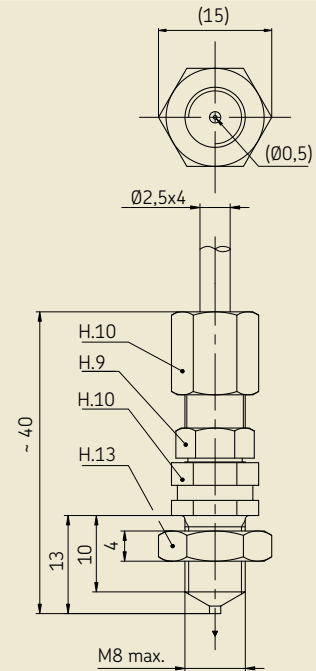
*) Valve setting at 20 °C for an oil with recommended viscosity



AC-A-416



AC-A-406-BP

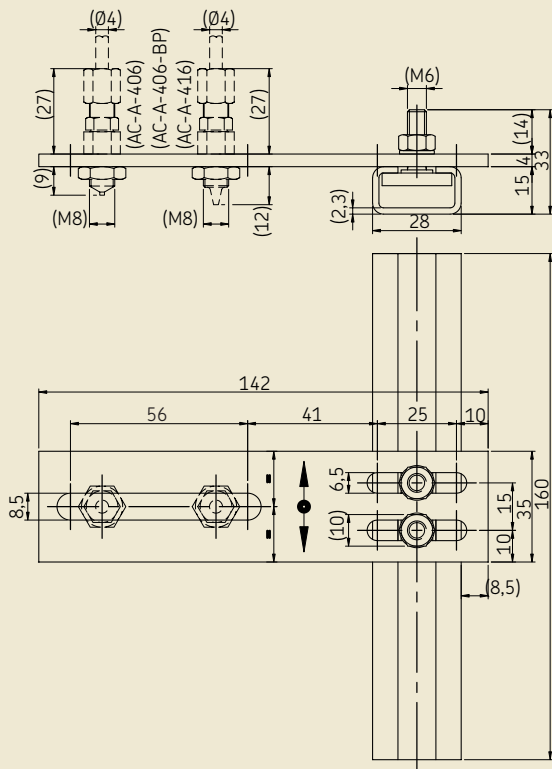


Fixation support

Fixation support (nut and adjustable support for threaded nozzles)

Order No UC-1065

UC-1065



Oiling brushes

Oiling brushes UC are used to apply lubricant to a chain. They ensure a constant lubricant film on the chain. These brushes are available in different shapes and sizes and with different materials (bristle, brass or polyamide) in order to better meet the needs and specification of the chains. The brushes are fed with tubes $\varnothing 4 \times 0.75$.

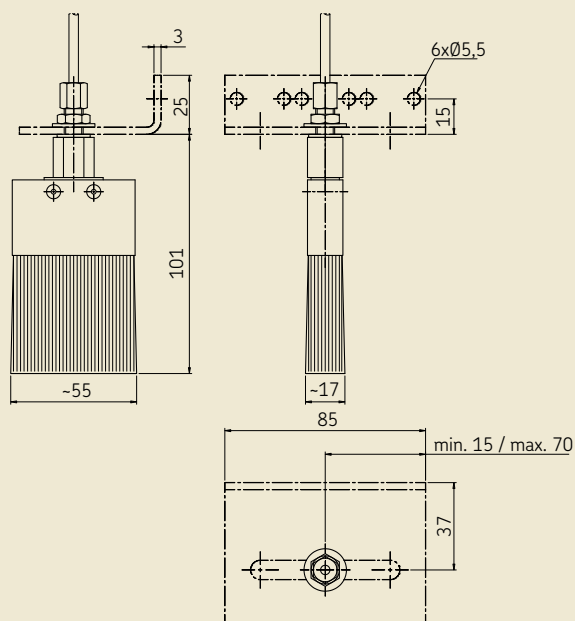
Brushes are delivered without bracket supports, which have to be ordered separately.



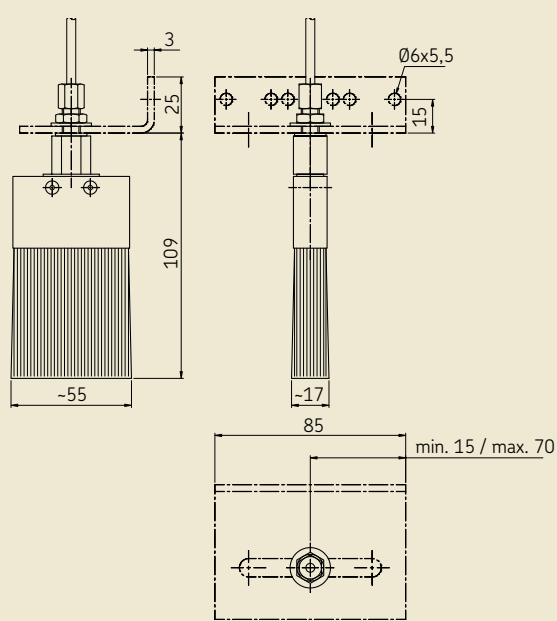
Order information

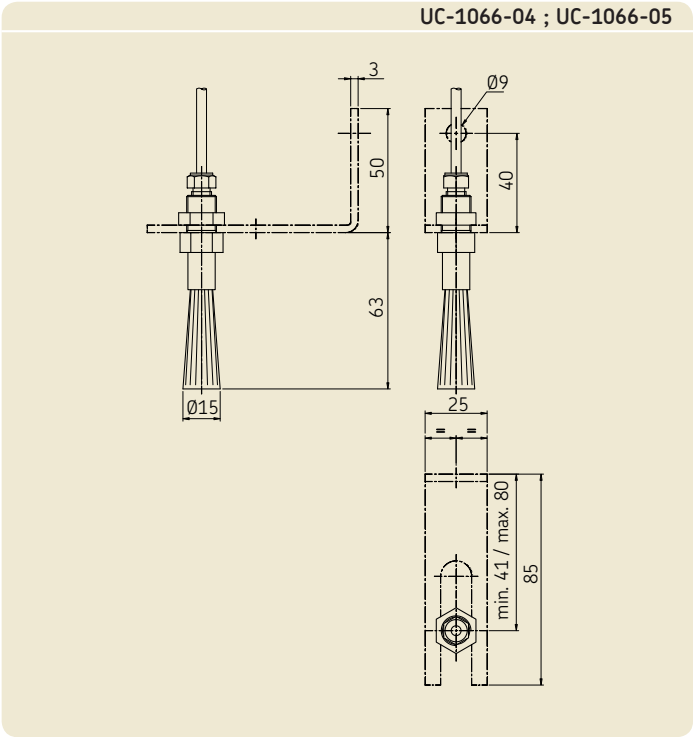
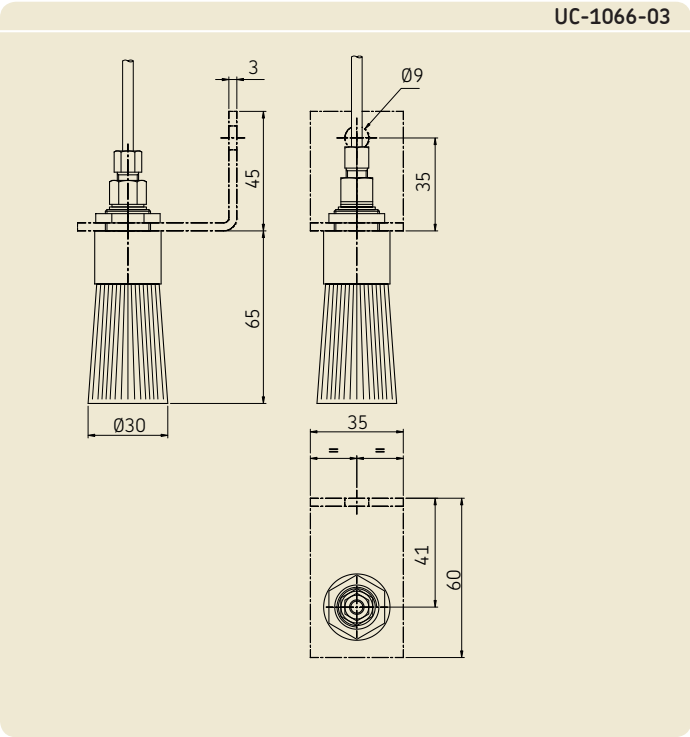
Order No.	Shape	Sizes [mm]	Temperature [°C]	Brush material	Fixing [mm]	Weight [g]	Bracket support Order No.
UC-1066-01		55 x 16	+10 ... +60	Bristle	$\varnothing 8.5$	110	AC.2879
UC-1066-02		55 x 16	+10 ... +200	Brass	$\varnothing 8.5$	160	AC.2879
UC-1066-03		$\varnothing 30$	+10 ... +60	Bristle	$\varnothing 19$	85	UC.1010.100
UC-1066-04		$\varnothing 15$	+10 ... +60	Bristle	$\varnothing 12.5$	45	AC.3398
UC-1066-05		$\varnothing 15$	+10 ... +80	Polyamide 6.6	$\varnothing 12.5$	45	AC.3398
UC-1066-06		55 x 16	+10 ... +80	Polyamide 6.6	$\varnothing 12.5$	45	AC.2879

UC-1066-01 ; UC-1066-06



UC-1066-02



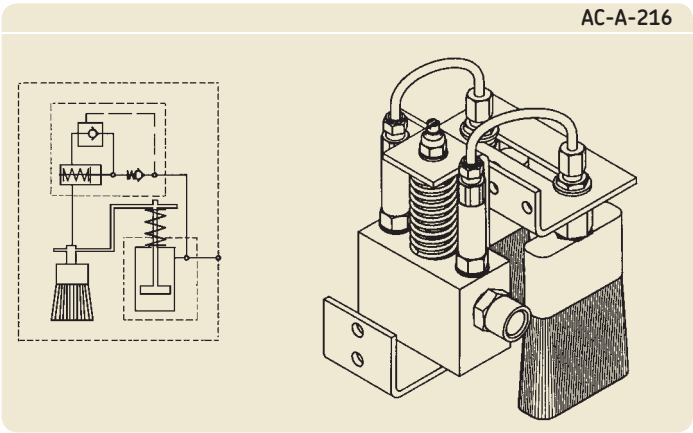


Retractable oiling brushes

Retractable brushes with volumetric oil supply, driven by a motor pump.

These brushes are in contact with the chain only during the lubrication phases, which are controlled by a control unit. This control unit can set the brushes contact time with the chain, the oil injection frequency and the time between two lubrication phases. During a pause phase the brushes are lifted up to limit brushes wear.

Model AC.A.210: retractable brushes without metering unit.



Order information									
Order No.	Shape	Volume [mm ³]	Quantity	Sizes [mm]	Temperature [°C]	Brush material	Fixing [mm]	Ø tube [mm]	Weight [g]
AC.A.216.20	■	20	x 2	55 x 16	+10 ... +60	Bristle	2 x Ø6.5	8 x 1	940
AC.A.216.40	■	40	x 2	55 x 16	+10 ... +60	Bristle	2 x Ø6.5	8 x 1	940
AC.A.210	■			55 x 16	+10 ... +60	Bristle	2 x Ø6.5	8 x 1 and 4 x 0.75	600

Oil reservoirs

These reservoirs, with a capacity of 3.3 l to 20 l, supply with lubricant the pneumatic or electromagnetic pumps of the chain lubrication system. They can be equipped with a stopcock valve for maintenance tasks on the lubrication system.

The lubricant min. level can be visually (sight glass) or electrically (level switch) monitored.

On request: Some reservoirs have an electric preheating device in order to maintain the lubricant at the optimal operating temperature. It is also possible to have some reservoirs with level switch with two switching points (warning and minimal).



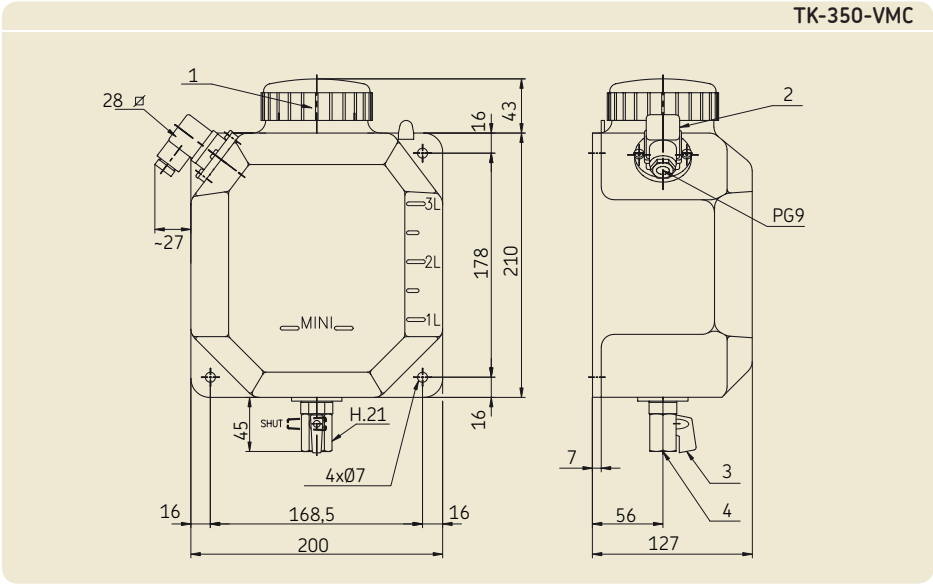
Order information

Order No.	Capacity [l]	Material	Min. Level switch	Stopcock valve	Filter [µm]	Service temperature [°C]	Weight (ca.) [kg]
TK-350-VMC	3,3	PE	•	•	200 (outlet)	-10 ... +60	1,2
TK-840-V	10	aluminum	-	•	400 (inlet)	-10 ... +60	6,255
TK-840-VM	10	aluminum	•	•	400 (inlet)	-10 ... +60	6,40
TK-940	20	aluminum	•	•	400 (inlet)	-10 ... +60	15

TK-350-VMC

1. Filling plug with filter
2. Min. level switch (with connector), NO, when the min. level is reached the contact opens
3. Stopcock valve
4. Outlet port with filter G 1/4, max. depth 9 mm

TK-350-VMC



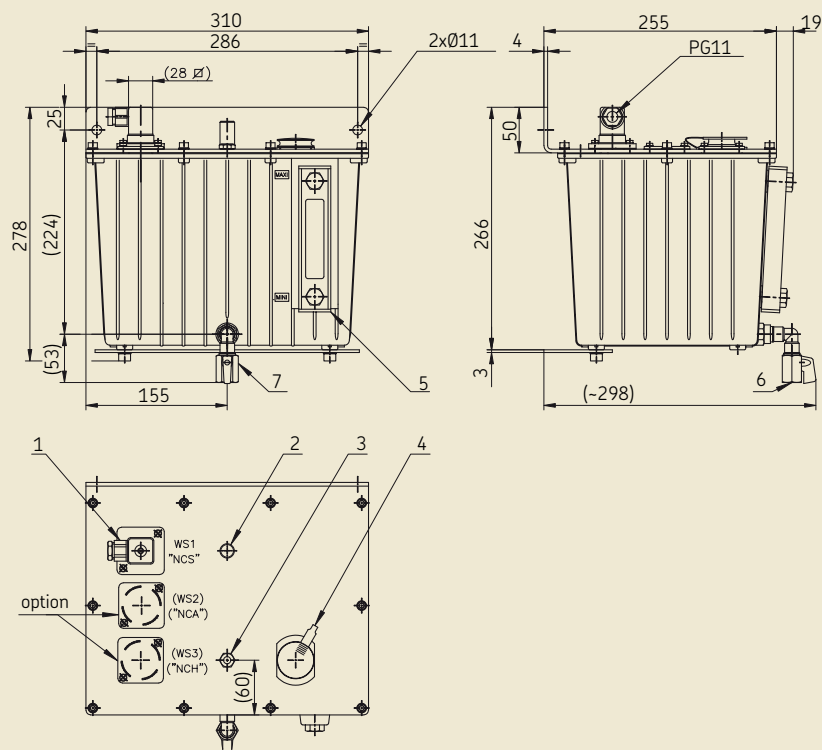
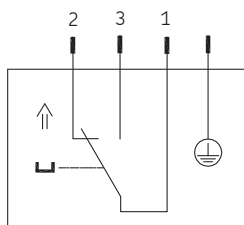
TK-840-V / -VM

1. Min. level switch (with connector), changeover switch
2. Breather
3. Filling port Ø RP 1/4
4. Filling plug with filter
5. Sight glass
6. Outlet port G 1/4
7. Stopcock valve

Level switch

When min. filling level is reached.

- contact 1-2 opens
- contact 1-3 closes



TK-840

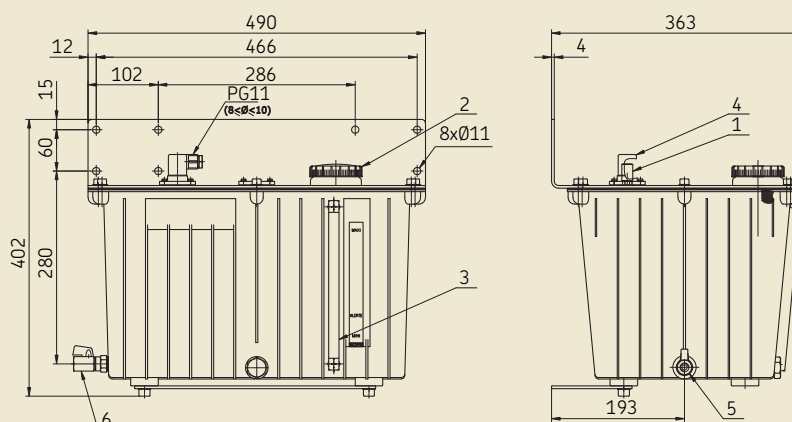
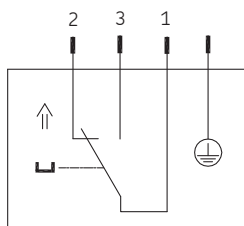
TK-940

1. Breather
2. Filling plug with filter
3. Sight glass
4. Min. level switch (with connector), change-over switch
5. Outlet port G 1/4, max. depth 9 mm
6. Stopcock valve

Level switch

When min. filling level is reached.

- contact 1-2 opens
- contact 1-3 closes



TK-940

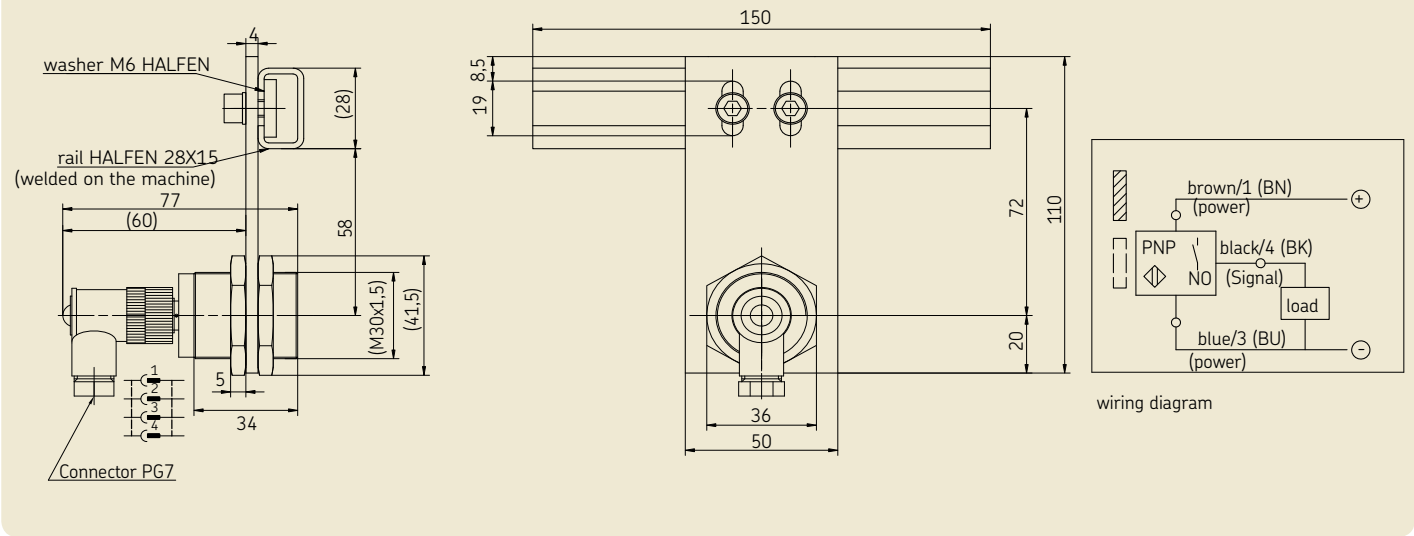
Proximity switch

The inductive proximity switches are essential for the chain lubrication systems. They detect with accuracy and without any mechanical contact to the chain the position of the lubrication points on the running chain. When a lubrication point has been detected, the proximity switch sends a signal to the control unit, which triggers a lubrication impulse (actuation of the pump).

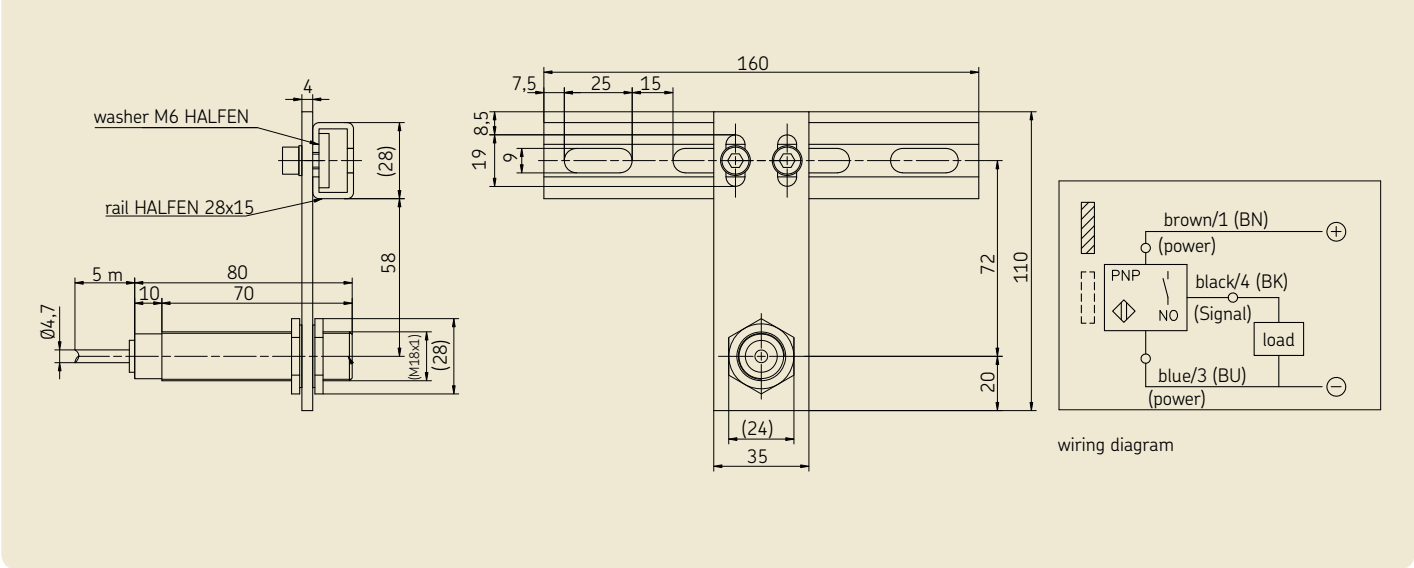
The proximity switches are delivered with a connector or a cable, and a bracket support.

Order information					
Order No.	Type	Nominal sensing distance (Sn)	Operating voltage	Service temperature [°C]	Housing
UC-1060-11	3 wires, PNP, NO	15 mm	12 to 24 V DC	-25 ... +80	plastic, IP67
UC-1060-14	3 wires, PNP, NO	5 mm	10 to 30 V DC	-40 ... +175	metal, IP67
UC-1060-16	3 wires, PNP, NO	5 mm	12 to 48 V DC	-25 ... +80	metal, IP68
UC-1060-17	2 wires, NO	5 mm	24 to 240 V AC / 24 to 210 V CC	-25 ... +80	metal, IP68
UC-1060-19	3 wires, PNP, NO	10 mm	10 to 30 V DC	-25 ... +70	metal, IP67

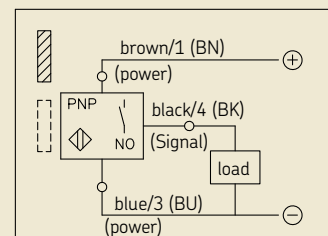
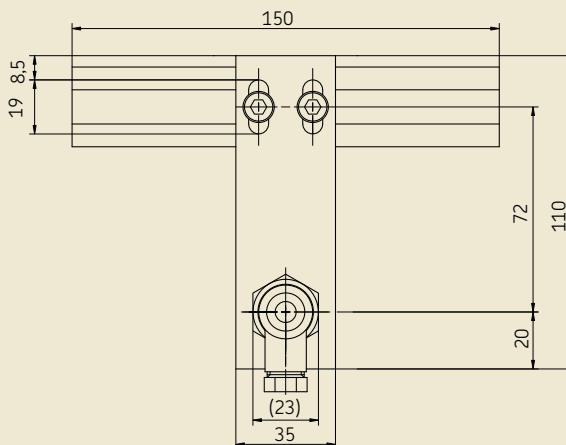
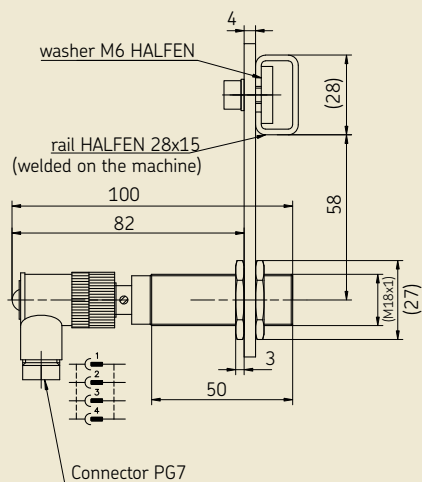
UC-1060-11



UC-1060-14

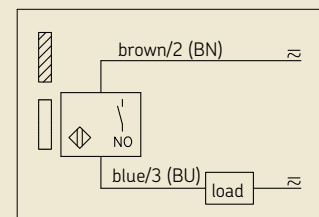
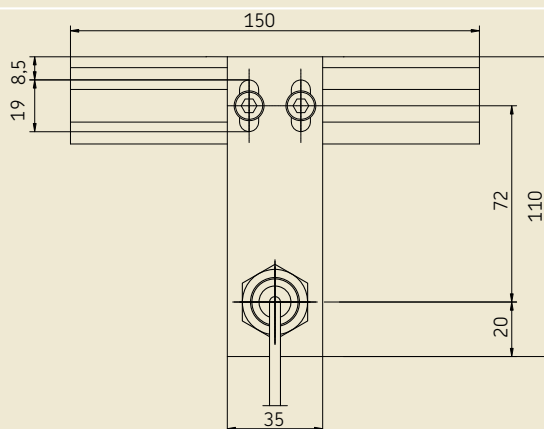
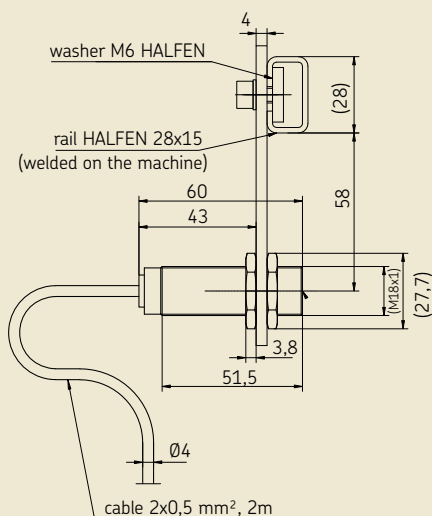


UC-1060-16



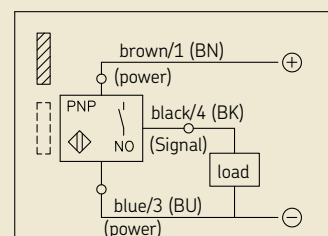
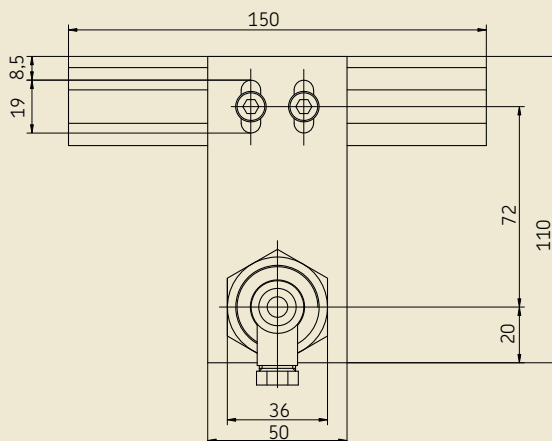
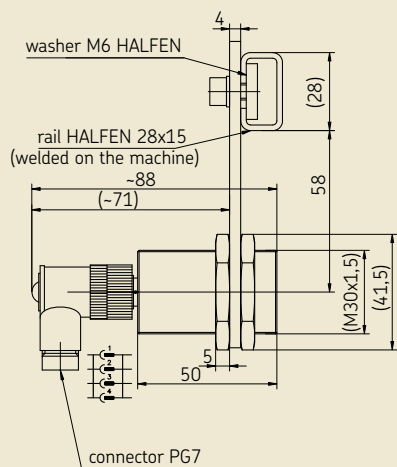
wiring diagram

UC-1060-17



wiring diagram

UC-1060-19



wiring diagram

Connection kits: reservoir / pumps

SKF Vogel offers several connection kits to connect the reservoir to the pump(s) PE. These kits differ in terms of the outlet connector G 1/4 (straight or elbow) and the number of pumps.

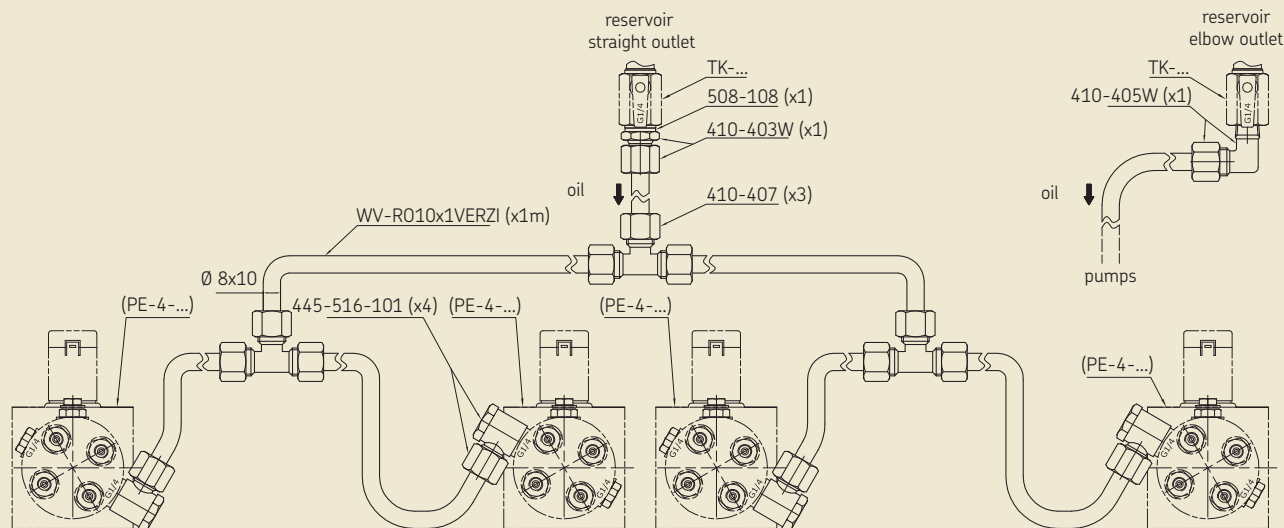
Order information

Order No.	Reservoir outlet	Pump(s)	Description
UC-1070-1	straight	1	straight connector (x 1), copper seal (x 1), steel tube (1 m), banjo fitting (x 1)
UC-1070-2	straight	2	straight connector (x 1), copper seal (x 1), steel tube (1 m), banjo fitting (x 2), tee connector (x 1)
UC-1070-3	straight	3	straight connector (x 1), copper seal (x 1), steel tube (1 m), banjo fitting (x 3), cross connector (x 1)
UC-1070-4	straight	4	straight connector (x 1), copper seal (x 1), steel tube (1 m), banjo fitting (x 4), tee connector (x 3)
UC-1071-1	elbow	1	elbow connector (x 1), steel tube (1 m), banjo fitting (x 1)
UC-1071-2	elbow	2	elbow connector (x 1), steel tube (1 m), banjo fitting (x 2), tee connector (x 1)
UC-1071-3	elbow	3	elbow connector (x 1), steel tube (1 m), banjo fitting (x 3), cross connector (x 1)
UC-1071-4	elbow	4	elbow connector (x 1), steel tube (1 m), banjo fitting (x 4), tee connector (x 3)

Connection kit for 4 pumps PE

UC-1070-4 (for reservoir with straight outlet connector)

UC-1071-4 (for reservoir with elbow outlet connector)



Connectors and tubes for the connection reservoir / pump

	Order No.
Copper washer	508-108
Straight screw-in connector	410-403W
Elbow screw-in connector	410-405W
Steel tube Ø8x10	WV-R010x1VERZI
Banjo fitting	445-516-101
Tee connector	410-407
Cross screw-in connector	446-310-001
Straight connector* for tube OD 10	410-410
Flange* for tube OD 10	610-001

*) These parts are not included in the kits

Connection pumps / nozzles or brushes

Connectors and tubes for the connection pump / nozzles or brushes

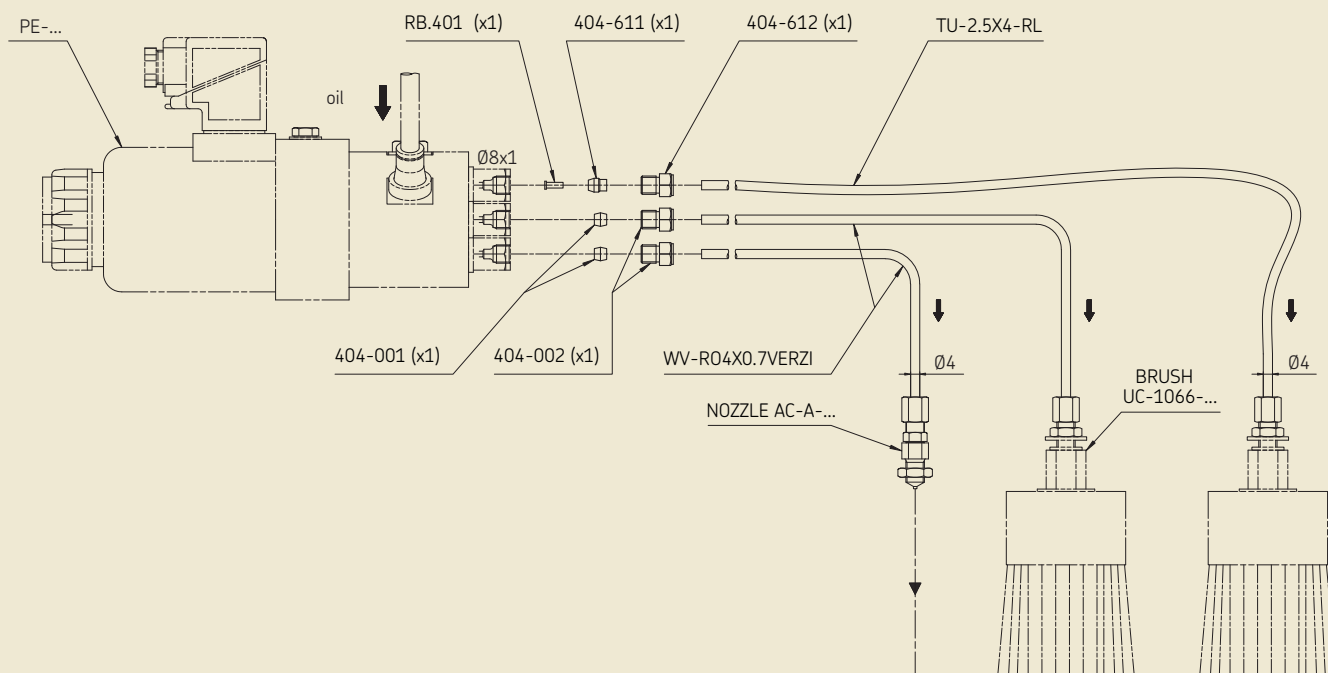
Connection pump / nozzle	Order No.
Steel tube Ø 4x0.7	WV-R04x0.7VERZI
Connector (pump outlet)	404-002
Double tapered sleeve (pump outlet)	404-001

Connection pump / brush	Order No.
Steel tube Ø 4x0.7	WV-R04x0.7VERZI
Connector (pump outlet)	404-002
Double tapered sleeve (pump outlet)	404-001

Hose, polyamide, Ø 2,5x4	TU-2.5x4-RL
Reinforcing socket (pump outlet)	RB.401
Tapered sleeve (pump outlet)	404-611
Connector (pump outlet)	404-612

*) Nozzles and brushes are delivered with their own fittings.

Connection pumps / nozzles or brushes



Drip pan

The drip pans are designed for the electro-magnetic pump PE. They prevent any pollution in the case of leakage at the connections or during maintenance tasks.

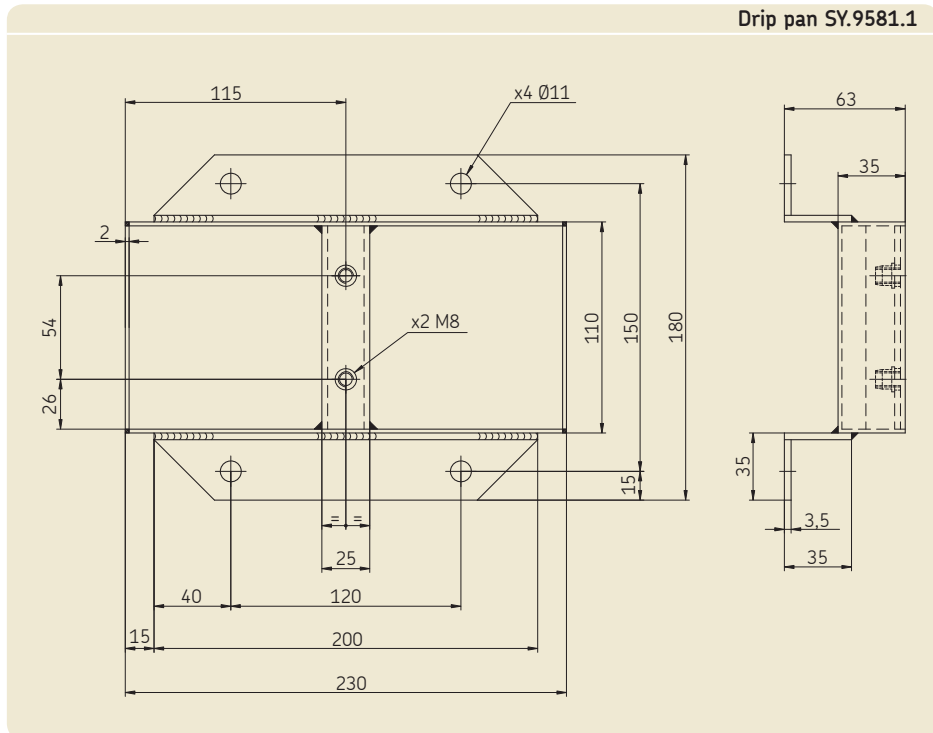
Technical data

Drip pan for 1 pump PE*

Capacity 0.7 l
Material steel

Order No. **SY.9581.1**

*) The drip pan is delivered with screws and washers for the fixation of the pump



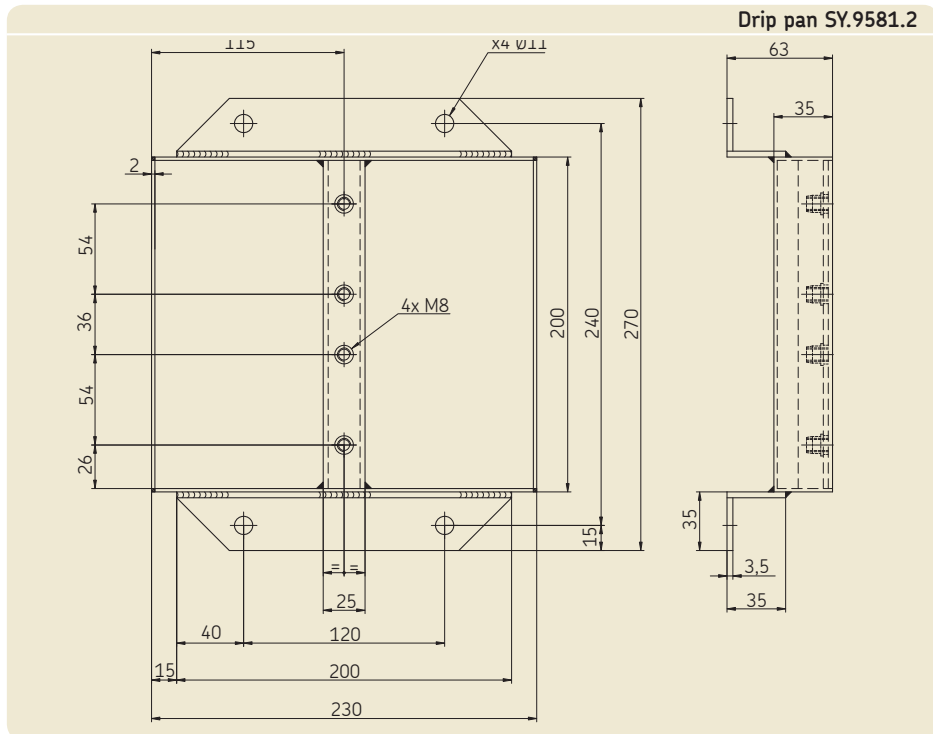
Technical data

Drip pan for 2 pumps PE*

Capacity 1.4 l
Material steel

Order No. **SY.9581.2**

*) The drip pan is delivered with screws and washers for the fixation of the pumps



Technical data

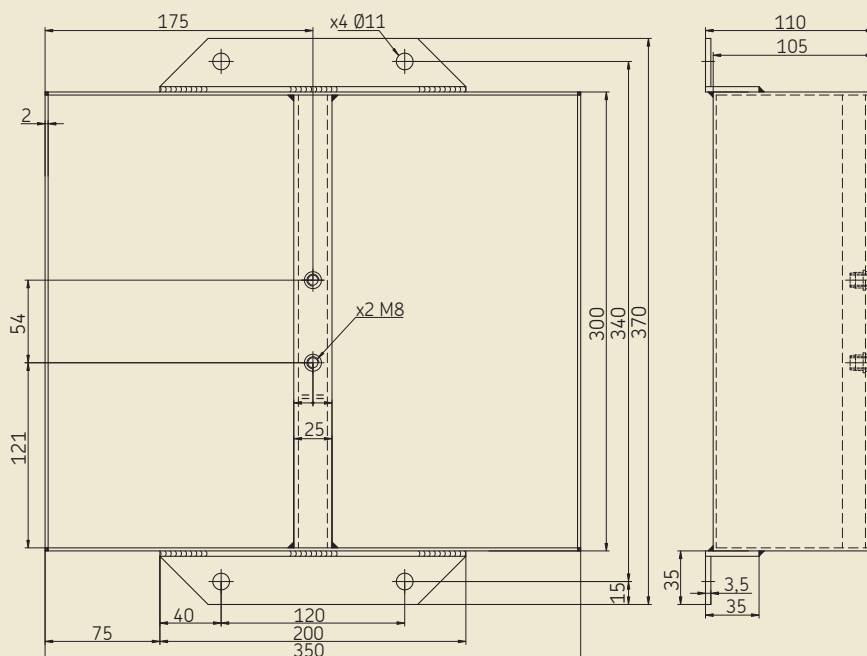
Drip pan for 1 pump PE*

Capacity 10.4 l

Material steel

Order No. **GR.2713.7**

*) The drip pan is delivered with screws and washers for the fixation of the pump



Drip pan GR.2713.7

Technical data

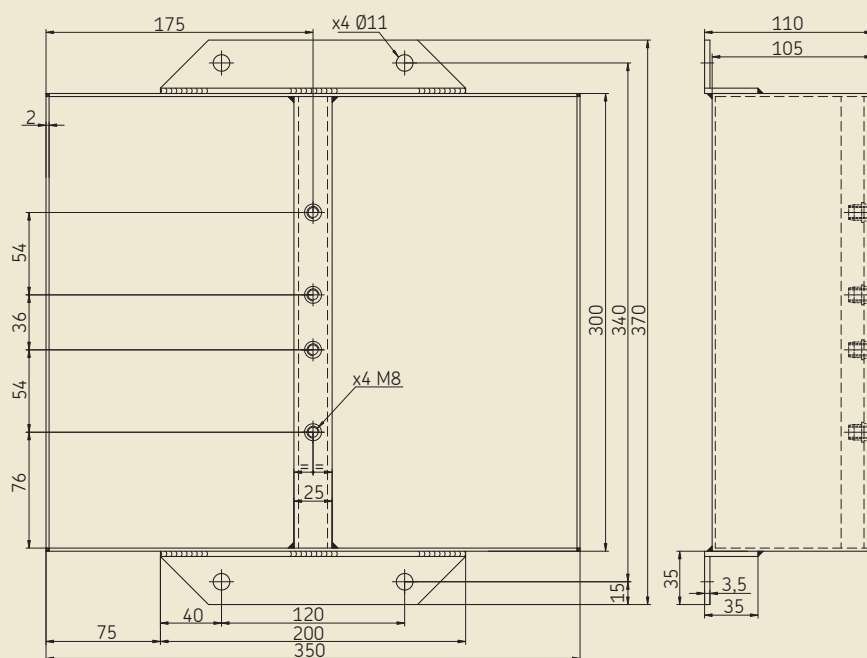
Drip pan for 2 pumps PE*

Capacity 10.4 l

Material steel

Order No. **GR.2713.8**

*) The drip pan is delivered with screws and washers for the fixation of the pumps



Drip pan GR.2713.8

Notes

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice or general writing. There are no margins, text, or other markings on the page.



Order No. 1-4106-US

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In particular, we call your attention to the fact that hazardous materials of any kind, especially the materials classified as hazardous by EC Directive 67/548/EEC, Article 2, Par. 2, may only be filled into VOGEL centralized lubrication systems and components and delivered and/or distributed with the same after consultation with and written approval from VOGEL.

All products manufactured by VOGEL are not approved for use in conjunction with gases, liquefied gases, pressurized gases in solution and fluids with a vapor pressure exceeding normal atmospheric pressure (1013 mbars) by more than 0.5 bar at their maximum permissible temperature.

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