

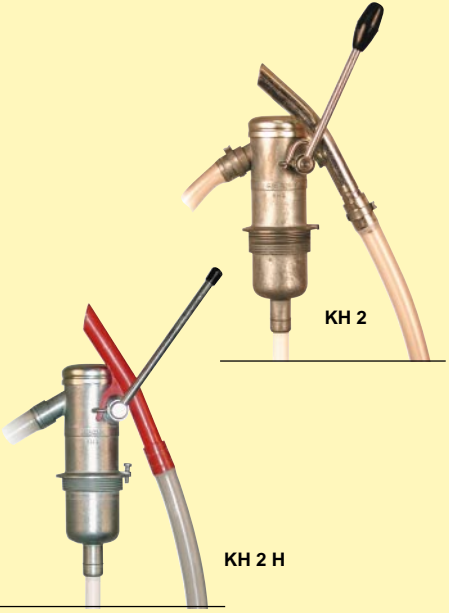














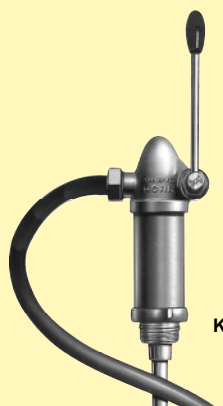



Pumps 2006

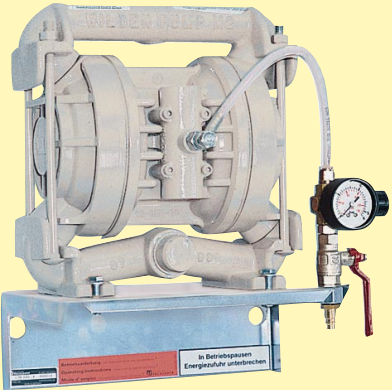
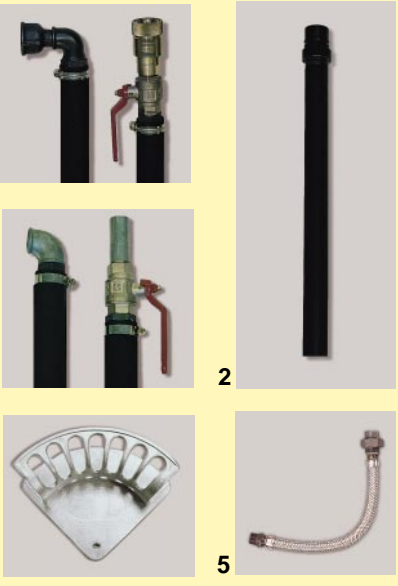
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<p><i>Technical changes of the catalog articles as well as changes of assortment remain reserving. Adhesion for misprint and lack of print, individual data such as illustrations, descriptions, technical instructions, prices etc. is excluded. Changes are reserved.</i></p>		


Hand Pumps	Item no.	Product	Medium
 <p>A blue drum with a hand pump assembly mounted on top. The pump has a black handle and a black hose. The label 'K 10 C' is visible on the pump body.</p>	103 083 000	Hand Pump K 10 C - capacity ca. 0,25 l / stroke - single-acting - suction tube for diving depth 840 mm - drum thread M 64 x 4 and G 2"	diesel, fuel oil EL / L, anti-freeze protection, (undiluted), highly liquid mineral oils, RME
	103 089 000	Hand Pump K 10 C - telescope suction tube for diving depth from 470 mm up to 925 mm	
	308 103 100	Suitable hose sets: Hose set 1,5 m DN 19 x 4 HORN x 40 X with discharge bend AK 20 and anti-knick spring	
	316 103 100	Hose set 1,5 m DN 19 x 4 HORN 365 X, electrically conductive (dangerous class A I – III) with discharge bend AK 20 and anti-knick spring	
	316 303 100	Hose set 1,5 m DN 19 x 4 HORN 365 X, electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring	
	320 303 100	Hose set 1,5 m DN 19 x 4, LZ 19 with inlet electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring nominal pressure up to 10 bar, resistant to RME	
	 <p>A hand pump assembly with a black handle and a black hose. The label 'TP 3' is visible on the pump body.</p>	103 153 000	
308 103 100		Suitable hose sets: Hose Set 1,5 m DN 19 x 4 HORN 40 X, with discharge bend AK 20 and anti-knick spring	
316 103 100		Hose Set 1,5 m DN 19 x 4 HORN 365 X, electrically conductive (dangerous class A I – III) with discharge bend AK 20 and anti-knick spring	
316 303 100		Hose Set 1,5 m DN 19 x 4 HORN 365 X, electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring	
320 303 100		Hose Set 1,5 m DN 19 x 4, LZ 19 with inlet electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring nominal pressure up to 10 bar, resistant to RME	
320 303 100		Hose Set 1,5 m DN 19 x 4, LZ 19 with inlet electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring nominal pressure up to 10 bar, resistant to RME	
320 303 100		Hose Set 1,5 m DN 19 x 4, LZ 19 with inlet electrically conductive (dangerous class A I – III) with discharge valve AV 20 and anti-knick spring nominal pressure up to 10 bar, resistant to RME	

Medium	Product	Item no.	Hand Pumps
Diesel, fuel oil EL / L, petroleum (undiluted)	Hand Pump KH 2 incl. hose set, 1 m PVC hose, DN 16 x 2 with valve bend VK 18 - capacity ca. 0,1 l / stroke - single-acting - suction tube for diving depth 840 mm - drum thread M 64 x 4 and G 2" - closing device for padlock	101 073 100	 <p>The image shows two hand pumps. The top one is the KH 2, a brass-colored pump with a black handle and a red hose. The bottom one is the KH 2 H, a silver-colored pump with a black handle and a red hose.</p>
	Hand Pump KH 2 H incl. hose set, 1,2 m PVC hose DN 16 x 2 with discharge bend AK 18 K - capacity ca. 0,1 l / stroke - single-acting - suction tube for diving depth 1500 mm (can be reduced depending upon requirement) - drum thread G 2" - with lift effect	101 117 200	
Motor, hydraulic- and gear oil up to SAE 80	Hand Pump OK 9 B - capacity ca. 0,25 l / stroke - single-acting - suction tube for diving depth 840 mm - adjustable drum thread - drum thread G 2" - drip safe discharge - closing device for padlock	122 023 000	 <p>The image shows the OK 9 B hand pump, a silver-colored pump with a black handle, mounted on a blue drum. An orange plastic container is placed next to it for scale.</p>
	Hand Pump OK 9 C see item no. 122 023 000, but - drum thread M 64 x 4 and G 2"	122 033 000	
	Hand Pump OK 9 BS see item no. 122 023 000, but with discharge spout for hose connection	122 043 000	
	Hand Pump OK 9 CS see item no. 122 033 000, but with discharge spout for hose connection	122 053 000	 <p>The image shows the OK 9 BS hand pump, a silver-colored pump with a black handle, mounted on a blue drum.</p>
	Suitable hose sets: Hose Set 1,5 m DN 19 x 4 HORN x 40 X with discharge bend AK 20 and anti-knick spring	308 103 100	
	Hose Set 1,5 m DN 19 x 4, HORN 40 X with discharge valve AV 20 and anti-knick spring	308 303 100	
	Accessory: Telescope suction tube	235 460 000	
	extendable length 490 – 945 mm		




Hand Pumps	Item no.	Product	Medium
 <p>HK 07</p>	129 501 700	Hand Pump HK 07 - capacity ca. 0,35 l / stroke - telescope suction tube, extendable length up to 890 mm - drum thread G 2"	Thin-fluid mineral oils up to SAE 50
 <p>KP 01</p>	131 130 100	Hand Crank Pump KP 01 - capacity ca. 0,15 l / per revolution - telescope suction tube extendable length up to 890 mm - drum thread G 2" Accessory:	Diesel, fuel oil EL/L, motor oil, hydraulic- and gear oils up to SAE 140
 <p>TG 5</p>	306 263 050	Hose set 1,5 m DN 13 x 3 HORN 40X, with elbow, incl. discharge valve AV 14 G	
 <p>TG 6</p>	122 300 000	Transmission oil filler TG 5 - capacity ca. 0,1 l / double stroke - mobile - for 20 – 55 l barrels (bundle) - suction tube for diving depth max. 680 mm Suitable hose set:	Gear oils up to SAE 140
 <p>OH 1</p>	306 153 000	Hose set 1,5 m DN 13 x 3 HORN 40X, incl. discharge cock AH 14	
 <p>TG 6</p>	122 500 000	Transmission oil filler TG 6 - capacity ca. 0,25 l / double stroke - mobile - for 20 – 25 l barrels (bundle) - suction tube for diving depth max. 450 mm Suitable hose set:	
 <p>OH 1</p>	122 210 000	Transmission oil filler OH 1 - capacity ca. 0,25 l / double stroke - mobile - for 20 – 25 l barrels (bundle) - max. height of barrel 450 mm Suitable hose set:	
 <p>OH 1</p>	306 153 000	Hose set 1,5 m DN 13 x 3 HORN 40X, incl. discharge cock AH 14	


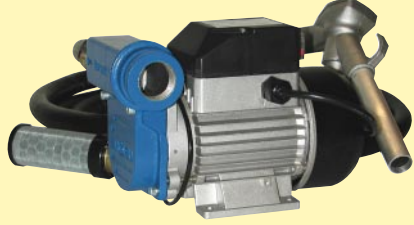
Medium	Product	Item no.	Hand Pumps / Compressed Air Pumps
Fuel oil additiv, Petroleum (dangerous class A I - III) additional types on request	Hand Pump K 3 TP	131 113 000	 <p>K 3 TP</p>
	- capacity ca. 25 l / min. - single-acting - suction tube for diving depth 840 mm - drum thread M 64 x 4 and G 2" - closing device for padlock		
	Suitable hose set: Hose Set	329 113 000	
	1,5 m DN 19 x 6, with discharge bend AK 20 Ms, (solvent hose), electrically conductive, (dangerous class I-III)		
Accumulator acid, soap solution, formic acid, acetic acid etc. Complete list for resistance to PVC and PE on request	Chemical pump PCP 250	131 053 200	 <p>PCP 250</p>
	incl. hose set, 1,2 m - capacity ca. 0,2 l / stroke - suction tube for diving depth 840 mm (can be reduced depending upon requirement) - drum thread G 2" - pump consists of polyvinyl chloride (PVC) and Polyethylene (PE)		
	Accessory: Adapter G 2" IG on sawing thread	233 050 000	
Motor oil up to SAE 50, hydraulic oil	Compressed air pump DP 15	120 420 000	 <p>DP 15</p>
	- capacity ca. 40 l / min. - transmission ratio 1:1 - with compressed air service unit - drum thread G 2" - suction tube for diving depth 840 mm		
	Suitable hose set: Hose Set	321 425 000	
	2,5 m DN 19 x 4, LZ 19 with inlet, nozzle LZV 16 M		
Motor oil up to SAE 60, hydraulic oil, gear oil up to SAE 140	Compressed air pump DP 35	121 420 000	 <p>DP 15</p>
	- capacity ca. 22 l / min. - transmission ratio 3:1 - with compressed air service unit - drum thread G 2" - suction tube for diving depth 840 mm		
	Suitable hose set: Hose Set	333 174 400	
	4,0 m DN 13 with oil nozzle ZV 2000, with hose swivel		
	Hose Set	333 184 000	
	4,0 m, DN 13 with digital hand flow meter LCD 18, not calibratable, with hose swivel, for motor oil		

Special Pumps	Item no.	Product	Medium	
	015 433 011	<p>Double Diaphragm Pump</p> <p>pneumatically operated pump for sucking off and filling over. Through the conception as double membrane pump particularly suitable for filling over or emptying e.g. oil catch pans, oil discharge etc. The universal transfer pump draws itself out by simple structure, easy handling, high mechanical handling capacity with small air consumption, as well as insensitivity in relation to dirty media. Completely with wall holder, pressure-reducing valve and ball valve for the shut-off position of the compressed air supply.</p> <ul style="list-style-type: none"> - capacity ca. 40 l /min. (depending on viscosity) - max. dirt particle size ca. 3 mm - suction stub G 1" - pressure stub G +" - weight ca. 13 kg - width x height x depth: 270 x 278 x 180 mm <p>Accessory:</p>	Diesel- and gasoline, motor, gear- and hydraulic oil	
	029 056 541	<p>Suction hose DN 32, 4,5 m, with ball valve and quick-coupler (1)</p>		
	027 027 551	<p>Suction probe DN 28, length: 800 mm (2)</p>		
	041 719 401	<p>Pin DN 20, G 3/4" a, for the installation at oil pans, gears etc.</p>		
	029 056 361	<p>Discharge hose DN 32, length: 4,4 m with ball valve and discharge tube (3)</p>		
	043 332 351	<p>Hose wall holder out of aluminium casting (4)</p>		
	026 090 511	<p>Flex tube according to TRbF 231 T1, length: 500 mm, G 3/4", for the connection to a pipe line provided by customer (5)</p>		
	020 202 881	<p>Automatic pump disconnection, time-controlled</p>		
	015 433 201	<p>Double Diaphragm Pump</p> <p>pneumatically operated pump for suction and transmission. Particularly suitable for the delivery of non lubricating or dirty media.</p> <ul style="list-style-type: none"> - capacity ca. 20 l /min. - transmission ratio 1:1 - compressed air supply max. 8 bar - suction height max. 1,5 m - connection thread pressure / suction side G 1/2" - max. dirt particle size ca. 1,6 mm - weight ca. 8 kg - width x height x depth: 270 x 225 x 180 mm <p>Accessory:</p>		
	029 056 451	<p>drum suction line DN 32</p>		
	043 508 481	<p>suction tube guide ring G 2"</p>		
	041 121 721	<p>hose connection for dispensing hoses</p>		
		<p>Dispensing hoses DN 16 with axial swivel:</p>		
	029 060 411	<p>1,60 m</p>		
	029 060 431	<p>3,15 m</p>		
029 060 461	<p>6,30 m</p>			
027 240 511	<p>discharge nozzle</p>			





Medium	Product	Item no.	Inner Gear Pump
<p>Fresh oil like motor, gear and hydraulic oil, anti-freeze protection (undiluted)</p>	<p>Electrical inner gear pump - 230 V / 50 Hz / 1P / 0,55 Kw - IP 44 length x width x height 315 x 155 x 240 mm weight: 14,0 kg</p>		 <p>Electrical inner gear pump</p>
	<p>Electrical inner gear pump</p> <p>- capacity approx. 10 l/min at 20°C* - feed pressure 10 bar - suction and pressure connection 1/2" IG</p>	028 610 101	
	<p>Electrical inner gear pump</p> <p>see item no. 2.86 10 10.1, but with internal overflow for pressure control</p>	028 610 201	
	<p>Electrical inner gear pump</p> <p>- capacity approx. 5 l/min at 20°C*</p>	028 610 091	
	<p>Electrical inner gear pump</p> <p>see item no. 2.86 10 9.1, but with internal overflow for pressure control</p>	028 610 191	
	<p>Electrical inner gear pump</p> <p>- capacity approx. 14 l/min at 20°C*</p>	028 610 111	
	<p>Electrical inner gear pump</p> <p>see item no. 2.86 10 11.1, but with internal overflow for pressure control</p>	028 610 211	
	<p>*depending on viscosity</p>		
	<p>Accessory:</p>		
	<p>Mounting console</p> <p>- for wall mounting - with vibro elements</p>	045 644 301	
<p>relief valve 3/4" ii</p>	027 150 931		
<p>dirt trap 3/4" ii</p>	027 704 501		
<p>ball cock 3/4 ii</p>	027 133 371		
<p>double nipple 1/2" / 3/4" with o-ring</p>	041 142 641		



Electric Pump	Item no.	Product	Medium
 <p>W 40</p>	104 428 700	Electric pump HORNET W 40 - capacity ca. 40 l / min. - power supply 230 V ~ - priming level with integrated anti-siphon safety feature - drum thread M 64 x 4 and G 2" - incl. suction hose with filter for suction depth of 1600 mm and discharge hose 4,0 m DN 19 x 4, HORN 40 x, anti-knick spring and standard nozzle ZP 19	Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME (special types)
	104 438 700	Electric pump HORNET G 40/12 see item no. 104 428 700, but - capacity approx. 30 l/min. - power supply 12 V with low voltage plug	
	104 448 700	Electric pump HORNET G 40/24 see item no. 104 428 700, but - capacity approx. 35 l/min. - power supply 24 V with low voltage plug	
 <p>W 40 F</p>	104 458 700	Electric pump HORNET W 40 F see item no. 104 428 700, but - capacity approx. 35 l/min. - power supply 230 V ~ - with digital meter FMT 40, not calibratable	
	104 468 700	Electric pump HORNET G 40/12 F see item no. 104 458 700, but - capacity approx. 27 l/min. - power supply 12 V with low voltage plug	
	104 478 700	Electric pump HORNET G 40/24 F see item no. 104 458 700, but - capacity approx. 30 l/min. - power supply 24 V with low voltage plug	
 <p>W 40 A</p>	104 528 700	Electric pump HORNET W 40 A see item no. 104 428 700, but - capacity approx. 35 l/min. - power supply 230 V ~ - with authorized automatic nozzle A 2010 with hose swivel	
	104 538 700	Electric pump HORNET G 40/12 A see item no. 104 528 700, but - capacity approx. 25 l/min. - power supply 12 V with low voltage plug	
	104 548 700	Electric pump HORNET G 40/24 A see item no. 104 528 700, but - capacity approx. 27 l/min. - power supply 24 V with low voltage plug	



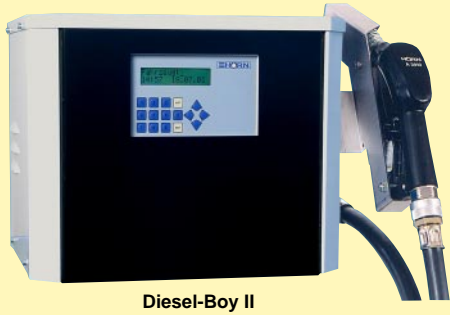
Medium	Product	Item no.	Electric Pump
Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME (special types)	Electric pump HORNET W 40 FA see item no. 104 428 700, but - capacity ca. 35 l / min. - power supply 230 V ~ - with digital meter FMT 40, not calibratable - with authorized automatic nozzle A 2005 with hose swivel	104 558 700	 <p>W 40 FA</p>
	Electric pump HORNET G 40/12 FA see item no. 104 558 700, but - capacity approx. 25 l/min. - power supply 12 V with low voltage plug	104 568 700	
	Electric pump HORNET G 40/24 FA see item no. 104 558 700, but - capacity approx. 30 l/min. - power supply 24 V with low voltage plug	104 578 700	
RME- type	Electric pump HORNET W 40 RME see item no. 104 428 700, but suction and pressure hose in RME design <i>additional types on request</i>	104 828 700	
Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additiv	Electric pump HORNET W 50 II - capacity ca. 55 l / min. - power supply 230 V ~ - self priming with integrated anti-siphon safety feature - drum thread R 2" - incl. suction hose with filter for suction depth of 1600 mm and discharge hose 4,0 m DN 19 x 4, with authorized automatic nozzle A2010 with hose swivel	106 508 700	 <p>W 50 II</p>
	Electric pump HORNET G 50/12 II see item no. 106 508 700, but - capacity approx. 50 l/min. - power supply 12 V with battery connection clamp	106 538 700	
	Electric pump HORNET G 50/24 II see item no 106 508 700, but - capacity approx. 50 l/min. - power supply 24 v with battery connection clamp	106 548 700	
	Electric pump HORNET W 50 II F see item no. 106 508 700, but - capacity approx. 52 l/min. - power supply 230 V ~ - with digital meter FMT 50, not calibratable	106 518 700	 <p>W 50 II F</p>
	Electric pump HORNET G 50/12 II F see item no. 106 518 700, but - capacity approx. 42 l/min. - power supply 12 V with battery connection clamp	106 558 700	
	Electric pump HORNET G 50/24 II F see item no. 106 518 700, but - capacity approx. 50 l/min. - power supply 24 v with battery connection clamp	106 568 700	

Electric Pump	Item no.	Product	Medium
 <p style="text-align: center;">W 50 II Z 300</p>	106 618 700	Electric pump HORNET W 50 II Z 300 see item no. 106 508 700, but - capacity ca. 50 l / min. - power supply 230 V ~ - with mechanical roller meter Z 300, not calibratable	Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additive (special types)
	106 638 700	Electric pump HORNET G 50/12 II Z 300 see item no. 106 618 700, but - capacity approx. 42 l/min. - power supply 12 V with battery connection clamp	
	106 648 700	Electric pump HORNET G 50/24 II Z 300 see item no. 106 618 700, but - capacity approx. 50 l/min. - power supply 24 V with battery connection clamp	
 <p style="text-align: center;">W 50 II basic set</p>	106 808 700	Electric pump HORNET W 50 II basic set - capacity approx. 55 l/min. - power supply 230 V ~ - incl. discharge nozzle ZV 2000 - incl. suction hose 1,6 m with foot filter - incl. discharge hose 4,0 m, DN 19 x 4, HORN 40 x	Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additive (special types)
	106 838 700	Electric pump HORNET G 50/12 II basic set see item no. 106 808 700, but - capacity approx. 45 l/min. - power supply 12 V with battery connection clamp	
	106 848 700	Electric pump HORNET G 50/24 II basic set see item no. 106 808 700, but - capacity approx. 55 l/min. - power supply 24 V with battery connection clamp	
		Repair kit: 248 000 010 Sealing kit for HORNET W 50 II, G 50/24 II 248 000 020 Sealing kit for HORNET G 50/12 II 248 000 030 Rotor for HORNET W 50 II, G 50/12 II, G 50/24 II incl. slidegate, O-ring and sunk key	

Medium	Product	Item no.	Electric Pump
RME- types	Electric pump HORNET W 50 II RME	106 498 700	
	see item no. 106 508 700, but suction and pressure hose in RME design		
	Electric pump HORNET W 50 II F RME	106 528 700	
	see item no. 106 518 700, but suction and pressure hose in RME design		
	Electric pump HORNET W 50 II Z 300 RME	106 628 700	
	see item no. 106 618 700, but suction and pressure hose in RME design		
Fuel oil-additiv types	Electric pump HORNET W 50 II Additiv	106 578 700	
	see item no. 106 508 700, but with suction tube instead of suction hose pressure hose in additive design		
	Electric pump HORNET W 50 II F Additiv	106 588 700	
	see item no. 106 518 700, but with suction tube instead of suction hose pressure hose in additive design		
	<i>Additional types on request</i>		

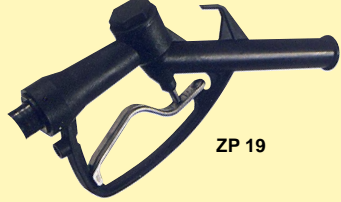

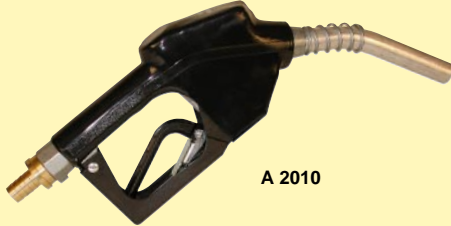

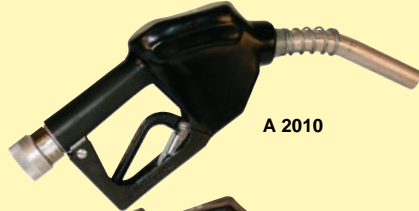




Electric Pump	Item no.	Product	Medium
 <p>W 80</p>	108 808 700	<p>Electric pump HORNET W 80</p> <ul style="list-style-type: none"> - capacity approx. 85 l/min. - power supply 230 V ~ - self-priming with integrated anti-siphon safety feature - drum thread R 2" - incl. suction hose with foot filter for suction depth 1600 mm - discharge hose 4,0 m, DN 25 x 4 with authorized automatic nozzle A 2015 with hose swivel 	Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME (special types)
 <p>W 80 Z 300</p>	108 888 700	<p>Electric pump HORNET W 80 Z 300</p> <p>see item no. 108 808 700, but</p> <ul style="list-style-type: none"> - capacity approx. 83 l/min. - with mechanical roller counter Z 300, not calibratable 	
 <p>W 80 F</p>	108 818 700	<p>Electric pump HORNET W 80 F</p> <p>see item no. 108 808 700, but</p> <ul style="list-style-type: none"> - capacity approx. 76 l/min. - with digital meter FMT 80, not calibratable <p>HORNET W 80 Ex, explosion proof on request</p>	
 <p>W 120 F</p>	108 908 700	<p>Electric pump HORNET W 120</p> <ul style="list-style-type: none"> - capacity approx. 120 l/min. - power supply 230 V ~ - self-priming with integrated anti-siphon safety feature - drum thread R 2" - incl. suction hose with foot filter for suction depth 1600 mm - discharge hose 4,0 m, DN 25 x 4 with authorized automatic nozzle ZVA 25 with hose swivel 	
	108 918 700	<p>Electric pump HORNET W 120 F</p> <p>see item no. 108 908 700, but</p> <ul style="list-style-type: none"> - capacity approx. 110 l/min. - with digital meter FMT 120, not calibratable <p>Additional types on request</p> <p>Repair kit:</p>	
	248 000 040	<p>Sealing kit for HORNET W 80/120</p>	
	248 000 050	<p>Rotor for HORNET W 80/120 incl. slidegate, O-ring and sunk key</p>	
	248 000 060	<p>Fan wheel and cover for HORNET W 80/120</p>	


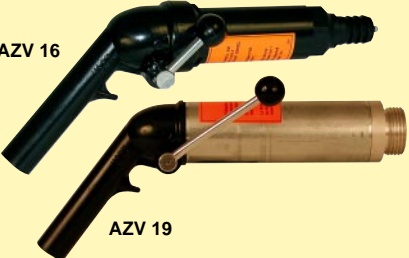
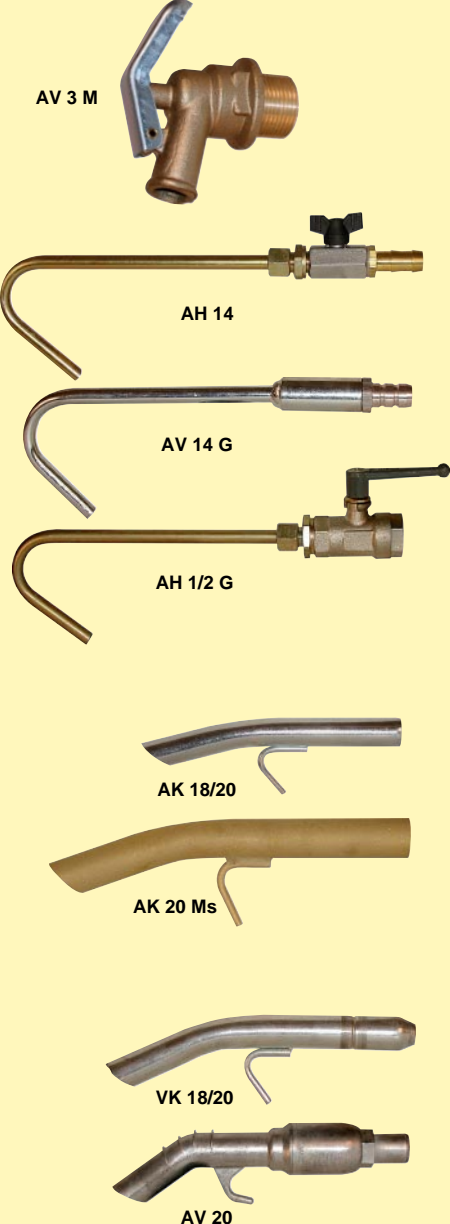
Medium	Product	Item no.	Electric Pump
Motor and gear oil SAE 80, hydraulic oil	Electric pump VISCONET II - capacity approx. 25 l/min. - power supply 230 V ~ / 740 W - self-priming - drum thread G 2" - max. viscosity 2000 mPas - suction tube for suction depth 840 mm - discharge hose 4,0 m, DN 19 x 4 HORN 40X with oil nozzle ZV 2000 - motor with thermal safety switch - on / off switch - with 2,0 m connection cable with earthing contact-type plug	104 123 700	
	Electric pump VISCONET II F see item no. 104 123 700, but - capacity approx. 20 l/min. - with digital meter, not calibratable	104 133 700	
	Electric pump VISCONET II see item no. 104 123 700, but with digital hand flow meter HDZ LCD 18 instead of oil nozzle, not calibratable	104 123 701	
	Motor oil up to SAE 50	Electric pump VISCONET II E see item no. 104 123 700, but with digital hand flow meter HDZ LCD 18 E instead of oil nozzle, calibratable	
additional pre-calibration fee		290 200 000	
Electric pump VISCONET II M see item no. 104 123 700, but - capacity approx. 15 l/min. - power supply 230 V ~ / 370 W		104 163 700	
Electric pump VISCONET II MF see item no. 104 123 700, but - capacity approx. 10 l/min. - power supply 230 V ~ / 370 W - with digital meter, not calibratable	104 173 700		
Accessory : instead of suction tube with suction hose for suction depth 1600 mm	234 400 800 (additional price)		


Diesel Tank System	Item no.	Product	Medium
 <p>Diesel-Eco-Box II</p>	110 300 001	<p>Diesel-Eco-Box II, self-priming electric vane pump with mechanical roller counter Z 300, not calibratable, with totalizer, not resettable, resettable and calibration function - capacity approx. 50 l/min. - power supply 230 V ~ - automatic pumping disconnection - self-priming with integrated anti siphon safety feature - discharge hose 4,0 m, DN 19 x 4, with authorized automatic nozzle A 2010</p>	Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additive (special types)
	 <p>Diesel-Box II</p>		
110 400 000		<p>Diesel-Box 50 II - capacity approx. 50 l/min.</p>	
110 402 000		<p>Diesel-Box 80 II - capacity approx. 80 l/min.</p>	
110 406 000		<p>Diesel-Box 120 II - capacity approx. 120 l/min.</p>	
 <p>Diesel-Boy II</p>		<p>Diesel-Boy II, self-priming electric vane pump integrated tank automate with management function - access permission via PIN-code for max. 98 user - digital text display with 4-digit quantity display and menu guidance - suction hose 1600 mm and foot filter - drum thread R 2" - discharge hose 4,0 m with authorized automatic nozzle</p>	
	110 410 701	<p>Diesel-Boy 50 II - capacity approx. 50 l/min. with authorized automatic nozzle DN 20</p>	
	110 430 701	<p>Diesel-Boy 80 II - capacity approx. 80 l/min. with authorized automatic nozzle DN 25</p>	
	110 450 701	<p>Diesel-Boy 120 II - capacity approx. 120 l/min. with authorized automatic nozzle DN 25</p>	
	233 400 011	<p>Options for Diesel-Boy: PC connection RS 232, incl. PC software</p>	
	233 400 021	<p>Printer connection RS-232</p>	
	233 400 051	<p>Access permission via transponder technique (without keys)</p>	
233 400 201	<p>TAGs 1, 10, 20 pieces</p>		
233 400 061	<p>Converter set RS-232 to RS-422/485 from a cable length of 10,0 m</p>		
233 400 001	<p>Accu-printer incl. plug and 3,0 m connection cable</p>		

Medium	Product	Item no.	Diesel Tank System
<p>Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additive (special types)</p>	<p>HORN-Diesel-Tank System HDT-W 50 II the home gas station to set up in buildings with double-walled tank 1000 l of PE with galvanized steel jacket</p> <ul style="list-style-type: none"> - self-priming vane pump with integrated anti siphon safety feature - capacity approx. 50 l/min. - power supply 230 V ~ - level and optical oil leakage indication - suction hose for suction depth 1600 mm with filter - discharge hose 4,0 m, DN 19 x 4 with authorized automatic nozzle A 2010 with hose swivel, lockable - with mounting bridge <p>All listed HORN-Diesel-Tank Systems with transportation pallet without additional charge</p>		<div data-bbox="1043 280 1513 757" data-label="Image"> </div> <p data-bbox="1177 770 1374 792" style="text-align: center;">HDT-W 50 II - VT 1000</p> <div data-bbox="1043 904 1513 1382" data-label="Image"> </div> <p data-bbox="1150 1395 1401 1417" style="text-align: center;">HDT-W 50 II Z 300 - VT 1000</p>
	<p>HORN-Diesel-Tank System HDT-W 50 II-VT 1000</p>	150 101 000	
	<p>see above description</p>		
	<p>HORN-Diesel-Tank System HDT-W 50 II Z 300 -VT 1000</p>	150 301 000	
	<p>see item no. 150 101 000, but with mechanical roller counter Z 300, not calibratable</p>		
	<p>HORN-Diesel-Tank System HDT-W 50 II F-VT 1000</p>	150 201 000	
	<p>see item no. 150 101 000, but with digital meter FMT 50, not calibratable</p>		
	<p>Generally, all HORN products can be combined with the commercial containers like e.g.:</p> <ul style="list-style-type: none"> - Adam & Sohn & Co. KG - Bauer GmbH - Chemo Werke - Dehoust Behälterbau GmbH - Jödden, Umweltschutz und Sicherheitstechnik Vertriebs GmbH - Metall- & Fahrzeugbau Haser GmbH - Otto Containersysteme GmbH - Rietbergwerke GmbH & Co. KG - Roth Werke GmbH - Schütz Werke GmbH - Stefan Nau GmbH & Co. - Tank Technik Spezial Apparatebau GmbH <p>Contact us for further information!</p>		

Flow Meter	Item no.	Product	Medium
 <p>FMT</p>	<p>253 510 000</p> <p>253 520 000</p> <p>253 541 000</p> <p>253 561 000</p>	<p>Electronic Volumetric Flow Meter FMT, not calibratable</p> <ul style="list-style-type: none"> - flow capacity 5 – 125 l/min. - Measurement accuracy $\pm 1 \%$ - 4 subset counter, resetable - 6 digit display - 1 totalizer, not resetable 6 digit display - max. operation pressure 2 bar - operation temperature $-10^{\circ}\text{C} / +40^{\circ}\text{C}$ - for the use with Diesel and fuel oil, pre-calibrated, calibration possibility for other thin-liquid media - 1" connection (outer thread) - rotatable housing (upper part) - power supply by lithium battery (service life up to 2 years) - length x width x height 100 x 100 x 74 mm <p>FMT 40, readjustment kit for HORNET W 40</p> <p>FMT 50, readjustment kit for HORNET W 50 II</p> <p>FMT 80, readjustment kit for HORNET W 80</p> <p>FMT 120, readjustment kit for HORNET W 120</p>	<p>Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME and fuel oil additiv (special types)</p>
 <p>Z 300</p>	<p>253 010 001</p>	<p>Mechanical Roller Counter Z 300 readjustment kit, not calibratable</p> <ul style="list-style-type: none"> - flow capacity 20 – 120 l/min. - Measurement accuracy $\pm 0,3 \%$ - max. operation pressure 3,5 bar - subset counter, 3 digit, height 18 mm - totalizer, 6 digit, height 6 mm - G 1" connection (inner thread) - length x width x height 180 x 175 x 130 mm 	<p>Diesel, fuel oil EL/L, anti-freeze protection (undiluted), RME</p>
	<p>253 520 100</p>	<p>Readjustment Meter Kit for VISCONET II</p> <p>with thread flange R 1", incl. sealing</p> <ul style="list-style-type: none"> - flow capacity 0– 35 l/min. - Measurement accuracy $\pm 0,5 \%$ - max. operation pressure up to 16 bar - 5 digit display - 1/2"-connection (inner thread) - power supply via lithium battery (service life up to 2 years) 	<p>Motor-, gear- and hydraulic oil</p>

Medium	Product	Item no.	Accessories
	Nozzles		
Diesel, fuel oil, RME, anti-freeze protection (undiluted)	Standard nozzle ZP 19 suitable for electric pump HORNET W40 with hose swivel Ø discharge cock 35 mm	252 400 000	 ZP 19
Diesel, fuel oil EL/L, Motor-, gear- and hydraulic oil	Standard nozzle ZV 2000 suitable for electric pump VISCONET II, HORNET W50 II basic set and compressed air pump DP 15, Ø discharge cock 25 mm	252 300 000	 ZV 2000
	Standard nozzle ZV 2000 suitable for HORNET W40 with hose funnel, Ø discharge funnel 25 mm	252 300 001	
	Nozzle LZV 16 M suitable for compressed air pump DP 15	250 420 000	
	Automatic nozzles, authorized type		
Gasoline, Diesel, fuel oil, RME, anti-freeze protection (undiluted)	A 2010 suitable for electric pump HORNET W40 with hose swivel, Ø discharge cock 24 mm	252 610 000	 A 2010
	A 2010 suitable for electric pump HORNET W50 II with hose swivel, 1" inner thread , Ø discharge cock 24 mm	252 620 000	
	A 2010 suitable for electric pump with hose swivel, 1" outer thread , Ø discharge cock 24 mm	252 680 000	 A 2010
	A 2015 suitable for electric pump HORNET W 80, DieselBox, DieselBoy 80, with hose swivel, Ø discharge cock 30 mm	252 660 000	 A 2015
	ZVA 4.1 Slimline DN 20 for electric pump HORNET W 80, DieselBox 80, DieselBoy 80, with hose swivel, Ø discharge cock 25 mm	252 690 000	 ZVA Slimline
	ZVA 25 for electric pump HORNET W120, DieselBox 120, DieselBoy 120, with hose swivel, Ø discharge cock 31 mm	252 650 000	 ZVA 25
	Hand Flow Meter		
Motor-, hydraulic- and Gear oil up to SAE 240, anti-freeze protection (undiluted)	Oil meter ZVE, not calibratable Oil nozzle with electronic counter, suitable for oil up to SAE 240, synthetic oil, anti-freeze protection, rigid outlet 60° - capacity from 0,5 to 40 l/min. - max. pressure 40 bar - rotatable electronic measurement head up to 90°C - connecting thread G 1/2" - 6 digit LCD display - interface RS 422 - units: liter or gallon - totalizer - stable aluminium measurement housing - measurement accuracy +/- 0,5% - with drip protection	027 170 471	 ZVE
	Oil meter ZVE, not calibratable as item 2.71 70 47.1, but with flexible outlet	027 170 481	

Accessories	Item no.	Product	Medium
 <p>HDZ LCD 18</p>		Hand flow meter LCD 18, not calibratable suitable for VISCONET II, compressed air pump DP 35	
	250 020 000	for motor oil	
	250 030 000	for gear oil	
		Hand flow meter LCD 18 E, calibratable suitable for VISCONET II, compressed air pump DP 35	
	250 540 000	for motor oil	
	250 550 000	for gear oil	
290 200 000	calibration fee		
 <p>AZV 16</p> <p>AZV 19</p>		Nozzles	
	250 430 000	AZV 16 for suction nozzle for hose DN 16 for HORNET W 30, V 60	
	250 440 000	AZV 19 for suction nozzle for hose DN 19 for HLV 100	
 <p>AV 3 M</p> <p>AH 14</p> <p>AV 14 G</p> <p>AH 1/2 G</p> <p>AK 18/20</p> <p>AK 20 Ms</p> <p>VK 18/20</p> <p>AV 20</p>		Discharge bend and nozzles	
	250 010 000	AV 3 M discharge valve G 3/4" outer thread for lying drums	
	250 150 000	AH 14 discharge cock for hose DN 13 for compressed air pump DP 15 and DP 35, OMZ-D and gear oil filler	
	250 260 000	AV 14 G discharge valve for hose DN 13 for OMZ-G, gear oil filler and hand pump KP01	
	250 160 000	AH 1/2" G discharge cock G1/2" for gear oil for compressed air pump DP 15 and DP 35	
	250 170 000	AH 1/2" M discharge cock G1/2" for motor oil for compressed air pump DP 15 and DP 35	
	250 070 000	AK 18 K discharge bend for hose DN 16 for hand pump K 5 H and KH 2 H	
	250 100 000	AK 20 discharge bend for hose DN 19 for hand pump K 10 C and TP 3	
	250 110 000	AK 20 Ms discharge bend for hose DN 19 for hand pump K 3 TP	
	250 350 000	VK 18 valve bend for hose DN 16 for hand pump KH 2	
	250 370 000	VK 20 valve bend for hose DN 19 for hand pump K 10 C, TP 3 and OK 9 BS	
	250 300 000	AV 20 discharge valve for hose DN 19 for hand pump K 10 C, TP 3 and OK 9 BS	

Medium	Product	Item no.	Accessories
	Filter		
	F 20 for all suction tubes with 20 mm Ø	245 020 000	
	FT 26 for K 10 C with telescope tube	245 030 000	
	FF 20 for K 10 C	245 040 000	
	FFT 26 for HORNET 50 II	245 050 000	
	FF 3/4" for TP 3	245 060 000	
	F 20/1 for HORNET 40	245 070 000	
	F 18/1 for HORNET 30	245 010 000	
	Hoses		
	Hose DN 19 x 4, HORN 40x meter good (please advise length) for HORNET 40, K 10 C, TP 3	247 080 000	
	Hose DN 19 x 4, HORN 365x electrically conductive, meter good (please advise length) for K 10 C and TP 3	247 160 000	
	Hose DN 19 x 4, LZ 19 with insert electrically conductive (for AI= liquids with a mim. flash point below 21°C and AII= liquids with a flash point from 21°C up to 55°C), RME type, meter good (please advise length) for HORNET W40	247 200 000	
	Hose DN 19 x 4, G 1" outer thread complete with connecting parts for HORNET W50II, VISCONET II		
	2,0 m	331 000 200	
	4,0 m	331 000 400	
	6,0 m	331 000 600	
	8,0 m	331 000 800	
	Hose DN 19x4, LZ 19, with insert, 1" outer thread complete with connecting parts, electrically conductive, (for AI= liquids with a mim. flash point below 21°C and AII= liquids with a flash point from 21°C up to 55°C), RME type, for HORNET W50 II, W50 II Ex		
	2,0 m	331 000 498	
	4,0 m	331 000 499	
	6,0 m	331 000 699	
	Hose DN 25, G 1" outer thread complete with connecting parts, RME type for HORNET W 80, W 120		
	4,0 m	319 000 700	
	6,0 m	319 000 600	
	8,0 m	319 000 800	
	Suction pipe DN 19x4, LZ 19, with insert cpl. as RME type for HORNET W40	234 401 001	
	Suction pipe DN 19x4, LZ 19, with insert cpl. as RME type for HORNET W50 II	234 338 001	
	Connecting coupling G 1" inner thread suitable for all hoses complete with connecting parts	406 401 350	
	Battery		
	Replacement battery for FMT and FMV	812 878 008	

