

ALLFETT®



LUBRICATION EQUIPMENTS



WORLDWIDE SOLUTION PARTNER



MANUALLY OPERATED PUMPS

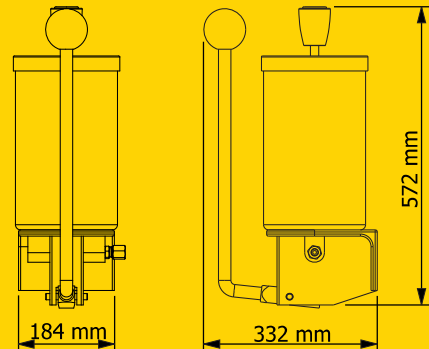
Grease type pump product nr.
10 00 HP 02



Oil type pump product nr.
10 00 HP 01

SPECIFICATIONS

Working Pressure	: 300 bar.
Lubricant type	: Oil, liquid grease, grease
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / stroke	: 1,5cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1 Liter
Number of pump outlets	: Single outlet.



ALL-6 CARTRIDGE TYPE GREASE PUMPS 12-24 V DC

ALL-6 pump product nr.
10 12 06 A5 12 V DC
10 24 06 A5 24 V DC

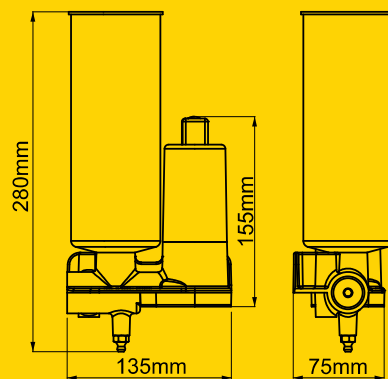


Optional progressive distributor



SPECIFICATIONS

Motor type	: 12 - 24 V DC
Working / Max. Pressure	: 150 bar. / 220 bar.
Protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C)
Displacement / minute	: 4,3 cm ³
Working temperature	: -25°C +80°C
Cartridge capacities	: 350gram - 675gram
Number of pump outlets	: Single outlet. (Outlet quantity can be increased by using optional distributor)



ALL-1 MINI GREASE PUMPS

12-24 V DC



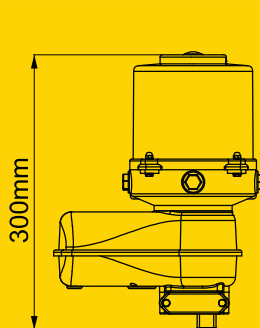
SPECIFICATIONS

Motor type	: 12 - 24 V DC
Working Pressure	: 400 bar.
Electronic control card protection class	: IP 65
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute (With single pump element)	: (Ø5) 1,5cm ³ - (Ø6) 2,5cm ³ (Ø7) 3,5cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1 - 1,8 Liters
Control card voltage	: 10 - 30 V DC
Adjustable working period	: 1 sec. to 99 minutes
Adjustable waiting period	: 1 sec. to 99 hours
Warnings	: Fuse broken, Fault, Alarm
Number of pump outlets	: Max. 3 outlet

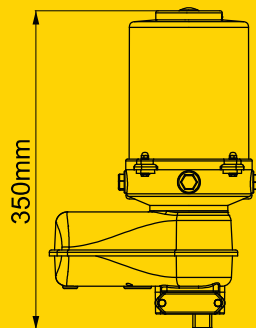


12 - 24 V DC type ALL-1 mini pumps can be used with integrated electronic control card where placed into motor cover or external electronic control card options.

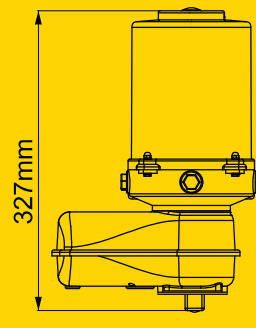
Pump element, filling filter and filling type reservoir and reservoir covers are optional. These specifications must be described separately when ordering.



1 Liters with
integrated controller
10 24 01 EC



1,8 Liters with
integrated controller
10 24 18 EC



1,8 Liters without
integrated controller
10 24 18 A1

ALL-1 GREASE PUMPS

12-24 V DC



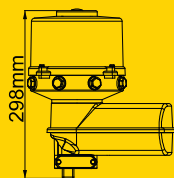
SPECIFICATIONS

Motor type	: 12 - 24 V DC
Working Pressure	: 400 bar.
Electronic control card protection class	: IP 65
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute (With single pump element)	: (Ø5) 1,5cm ³ - (Ø6) 2,5cm ³ (Ø7) 3,5cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1,5-3,3-4-6-8-10-12 Liters
Control card voltage	: 10 - 30 V DC
Adjustable working period	: 1 sec. to 99 minutes
Adjustable waiting period	: 1 sec. to 99 hours
Warnings	: Fuse broken, Fault, Alarm
Number of pump outlets	: Max. 6 outlet

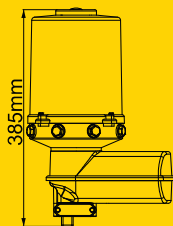


12 - 24 V DC type ALL-1 series pumps can be used with integrated electronic control card where placed into motor cover or external electronic control card options.

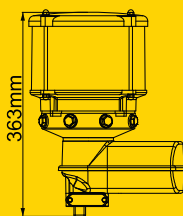
Pump element, filling filter and filling type reservoir and reservoir covers are optional. These specifications must be described separately when ordering.



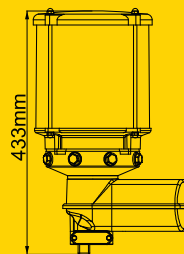
1,5 Liters
10 24 15 EC



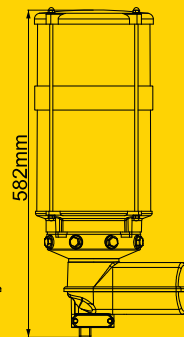
3,3 Liters
10 24 33 EC



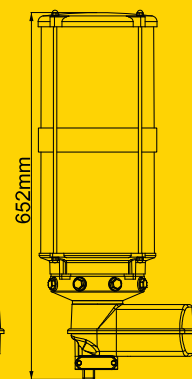
4 Liters
10 24 02 EC



6 Liters
10 24 06 EC



8 Liters
10 24 08 EC



12 Liters
10 24 12 EC

ALL-10 GREASE PUMPS

220 - 380 V AC

ALL-10 GRES POMPAST

SPECIFICATIONS

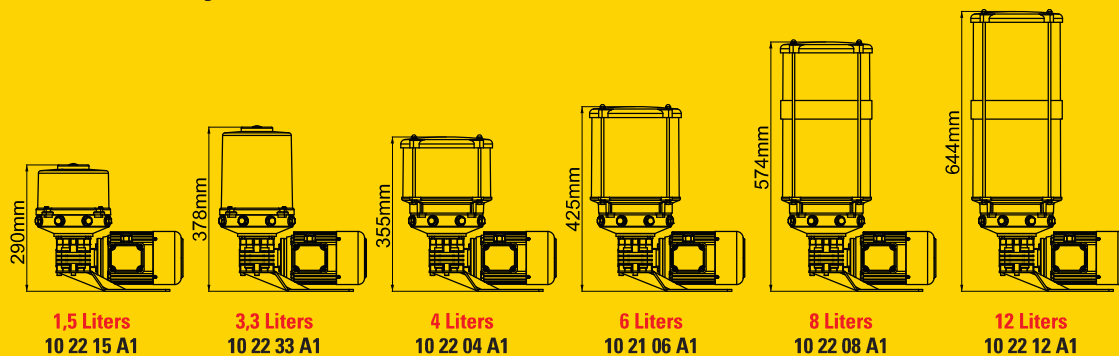
Motor type	: 220 - 380 V AC
Working Pressure	: 400 bar.
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute (With single pump element)	: (Ø5) 5cm ³ (Ø6) 7.5cm ³ (Ø7) 9cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1,5-3,3-4-6-8-10-12 Liters
Number of pump outlets	: Max. 6 outlet (optional 8 outlet)



220 - 380 AC type ALL-1 pumps can be used with only external electronic control card options.

Pump element, filling filter and filling type reservoir and reservoir covers are optional. These specifications must be described separately when ordering.

Pump dimensions below represents 220 V AC type pumps and 380 V AC pump dimensions are 20 mm lower than drawing



MULTILINE SYSTEM PUMPS

220 - 380 V AC

ALL-10
12 Liters
10 22 12 CH



ALL-10
6 Liters
10 22 06 CH



ALL-300
10 38 30 00



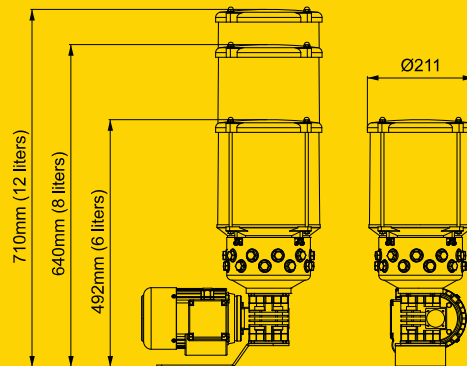
ALL-25
10 38 25 CH



SPECIFICATIONS

ALL-10 Multi Line Pump

Motor type	: 220 - 380 V AC
Working Pressure	: 400 bar,
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute (With single pump element)	: (Ø5) 5cm ³ (Ø6) 7.5cm ³ (Ø7) 9cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 6 - 8 - 10 - 12 Liters
Number of pump outlets	: Max. 20 outlet



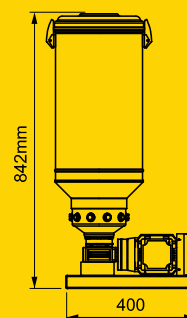
SPECIFICATIONS

ALL-25

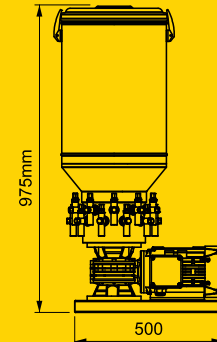
ALL-300

Motor type	: 380 V AC
Working Pressure	: 400 bar,
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute (With single pump element)	: 7,5 cm ³ 8 - 10 cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 25 Liters 50 Liters
Number of pump outlets	: Max. 20 outlet

ALL-25



ALL-300



Pump element is optional and must be described separately when ordering.

TWO LINE SYSTEM GREASE PUMPS



**ALL-5 AC
Bucket type**
10 38 16 D1



**ALL-5 DC
Bucket type**
10 24 16 D1



**ALL-5 AC
Barrel type**
10 38 20 D1



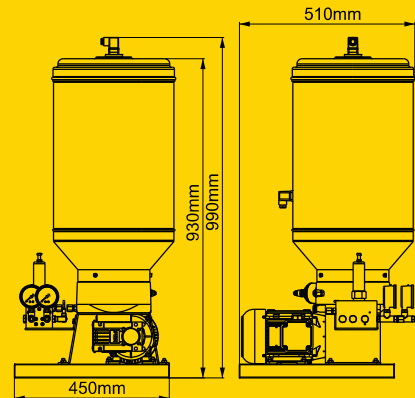
**ALL-5 DC
Barrel type**
10 24 20 D1



SPECIFICATIONS

ALL-600 Pump

Motor type	: 380 V AC
Working Pressure	: 400 bar.
Motor protection class	: IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)
Displacement / minute	: 144cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 50 Liters
Number of pump outlets	: Single outlet (Direction valve is optional)



ALL-5 SPECIFICATIONS

24 V DC

380 V AC

Motor type	: 24 V DC	380 V AC
Working Pressure	:	
Ø12 piston		350 bar.
Ø16 piston		250 bar.
Ø20 piston		200 bar.
Motor protection class	:	IP 54
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C)	
Displacement / minute	:	
Ø12 piston	140cm ³	160cm ³
Ø16 piston	250cm ³	280cm ³
Ø20 piston	390cm ³	445cm ³
Working temperature	: -25°C +80°C	
Reservoir capacities	: No reservoir. (Standard grease barrels or buckets can be used as a reservoir.)	
Number of pump outlets	: Single outlet (Direction valve is optional)	



ALL-5 pumps can be produced for different grease buckets and barrel sizes.

SERVICE EQUIPMENTS



ALL-600 mobil AC
10 60 38 12



ALL-600 mobil AC
10 60 24 12

SPECIFICATIONS

ALL-600 Mobile Pump

Motor type	: 24 V DC	380 V AC
Working Pressure	: 300 bar.	600 bar.
Motor protection class	: IP 54	
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)	
Displacement / minute	: 144cm ³	
Working temperature	: -25°C +80°C	
Reservoir capacities	: 12 Liters	



ALL-10 mobil AC
10 22 12 M1



ALL-10 mobil DC
10 24 12 M1

SPECIFICATIONS

ALL-10 Mobile Pump

Motor type	: 24 V DC	380 V AC
Working Pressure	: 400 bar.	
Motor protection class	: IP 54	
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C) NLGI 3 (30°C +)	
Displacement / minute - Ø5	: 9cm ³	30cm ³
Ø6	: 15cm ³	45cm ³
Ø7	: 21cm ³	54cm ³
Working temperature	: -25°C +80°C	
Reservoir capacities	: 12 Liters	



ALL-5 mobil AC
10 38 16 M1



ALL-5 mobil DC
10 24 16 M1

SPECIFICATIONS

ALL-5 Mobile Pump

Motor type	: 24 V DC	380 V AC
Working Pressure - Ø12	: 350 bar.	350 bar.
Ø16	: 250 bar.	250 bar.
Ø20	: 200 bar.	200 bar.
Motor protection class	: IP 54	
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C)	
Displacement / minute - Ø12	: 140cm ³	160cm ³
Ø16	: 250cm ³	280cm ³
Ø20	: 390cm ³	445cm ³
Working temperature	: -25°C +80°C	
Reservoir capacities	: No reservoir. (Standart grease buckets can be used as a reservoir.)	

SERVICE EQUIPMENTS

ALL-5 Bucket AC
10 38 16 E1



ALL-5 Bucket DC
10 24 16 E1



ALL-5 Barrel DC
10 24 20 E1



ALL-5 Oil AC
10 38 20 S1



ALL-5 Oil DC
10 24 20 S1



SPECIFICATIONS

	ALL-5 pump	
Motor type	: 24 V DC	380 V AC
Working Pressure - Ø12	: 350 bar.	350 bar.
	Ø16	250 bar.
	Ø20	200 bar.
Motor protection class	: IP 54	
Grease type	: NLGI 00 (-30°C) - (-10°C)	
	NLGI 0 (-10°C) - (0°C)	
	NLGI 1 (0°C) - (10°C)	
	NLGI 2 (10°C) - (30°C)	
Displacement / minute - Ø12	: 140cm ³	160cm ³
	Ø16	250cm ³
	Ø20	390cm ³
Working temperature	: -25°C +80°C	
Reservoir capacities	: No reservoir. (Standart grease buckets or barrels can be used as a reservoir.)	



ALL-5 pumps can be produced for different grease buckets and barrel sizes.

SPECIFICATIONS

	ALL-5 Oil type pump
Motor type	: 24 V DC - 380 V AC
Working Pressure	: 20 bar.
Motor protection class	: IP 54
Lubricant type	: Oil
Displacement / minute	: 2,5 liters
Working temperature	: -25°C +80°C
Reservoir capacities	: No reservoir. (Standart grease buckets or barrels can be used as a reservoir.)

ELECTRICAL LIQUID GREASE PUMPS



1 Liter
10 24 VT 01



1,8 Liters
10 24 VT 18



1,5 Liters
10 24 VT 15



3,3 Liters
10 24 VT 33



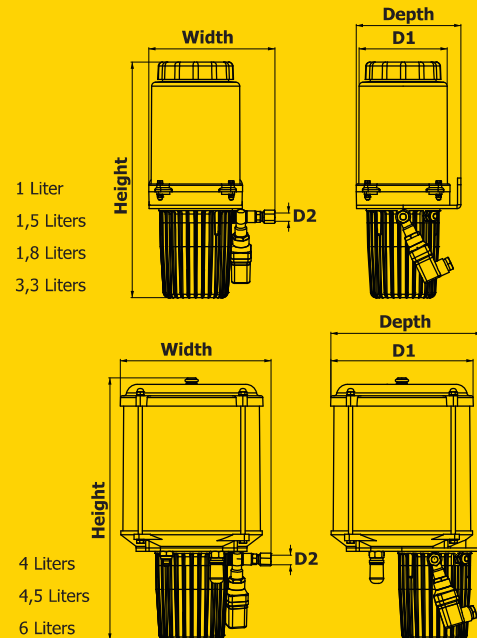
4 Liters
10 24 VT 04



6 Liters
(with follower piston)
10 24 VT P6

SPECIFICATIONS

Motor type	: 12 - 24 V DC
Working Pressure	: 60 bar.
Motor protection class	: IP 54
Grease type	: NLGI 0000 NLGI 000 NLGI 00 NLGI 0
Displacement / minute	: 250cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1 - 1,5 - 1,8 - 3,3 - 4 - 6 Liters



Reservoir	Height	Width	Depth	D1	D2
1 Liter	284mm	182mm	150mm	130mm	8 mm
1,5 Liters	303mm	202mm	184mm	158mm	
1,8 Liters	347mm	182mm	150mm	130mm	
3,3 Liters	376mm	202mm	184mm	158mm	
4 Liters	323mm	221,5mm	222mm	210mm	
4,5 Liters	406mm	202mm	184mm	173mm	
6 Liters	386mm	221,5mm	222mm	210mm	



Follower piston is optional and can only equipped with 6 liters pump reservoir.

ELECTRICAL OIL PUMPS



Lubmatic DC Standard
10 24 ST 01



Lubmatic DC Timer
10 24 TM 02

SPECIFICATIONS

LUBMATIC pump

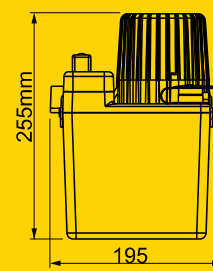
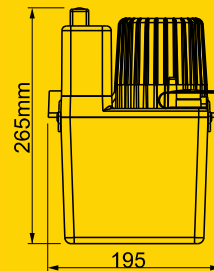
Motor type	: 12 - 24 V DC
Working Pressure	: 400 bar.
Motor protection class	: IP 54
Lubricant type	: OIL
	ISO Viscosity 40 - 220
Displacement / minute	: 250cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1,5 - 3 - 6 - 10 Liters
Number of pump outlets	: 1



Lubmatic AC Standard
10 22 ST 02



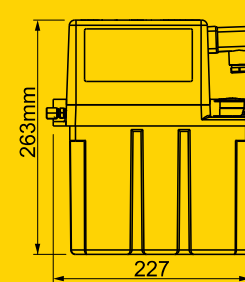
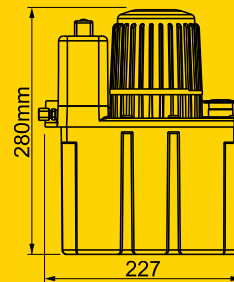
Lubmatic Mini DC
10 24 ST 03



Lubmatic Mini DC Timer
10 22 TM 03



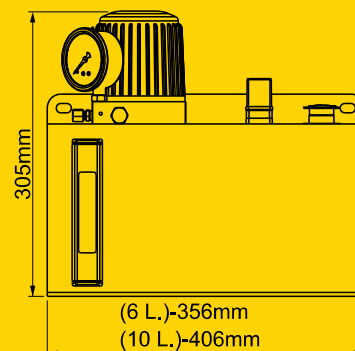
Lubmatic Mini AC
10 22 ST 03



Lubmatic Metal reservoir
10 22 ST 10 10 liters



Lubmatic Metal reservoir
10 22 ST 06 6 liters



PNEUMATIC & HYDRAULIC DRIVEN PUMPS

3,5 Liters Product Nr.
10 00 35 P1

6 Liters Product Nr.
10 00 06 P1

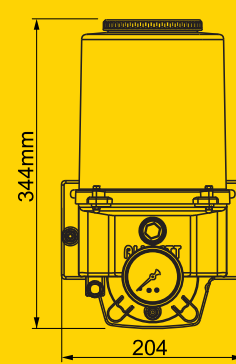
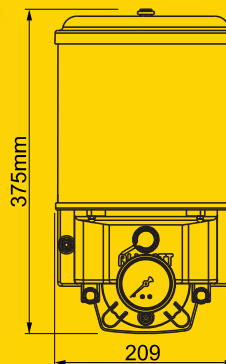
6 Liters Piston type
10 00 06 PS



SPECIFICATIONS

Pneumatic Pumps

Operating type	: Pneumatic
Transmission rate	: 10:1
Max. pressure	: 60 bar.
Grease type	: NLGI 0000 (-10°C) - (0°C) NLGI 000 (0°C) - (10°C) NLGI 00 (10°C) - (30°C) NLGI 0 (30°C and up)
Displacement / stroke	: 29cm ³
Working temperature	: -25°C +80°C
Reservoir capacities	: 1,5 - 3,3 - 4 - 6 Liters



SPECIFICATIONS

Hydraulic Pumps

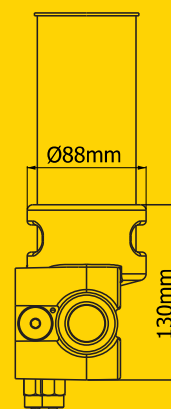
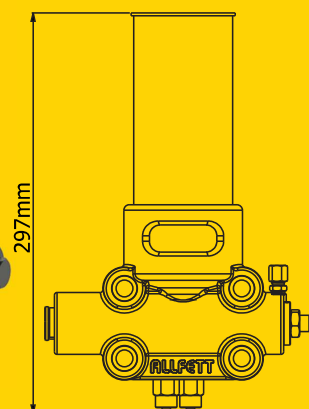
Operating type	: Hydraulic
Outlet pressure	: 40 - 70 bar.
Hydraulic inlet pressure	: 140 - 170 bar.
Grease type	: NLGI 00 (-30°C) - (-10°C) NLGI 0 (-10°C) - (0°C) NLGI 1 (0°C) - (10°C) NLGI 2 (10°C) - (30°C)
Displacement / stroke	: 0,1 - 0,6cm ³ adjustable
Working temperature	: -25°C +80°C
Cartridge capacities	: 675 grams



ALL-3 HC By-Pass type
10 00 10 A3



ALL-3 HC Standard type
10 00 00 A3



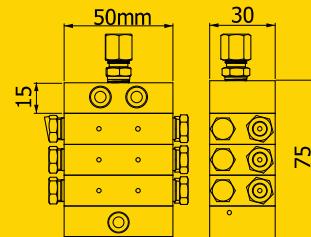
GREASE DISTRIBUTORS



Progressive distributor
40 00 03 00 3/6

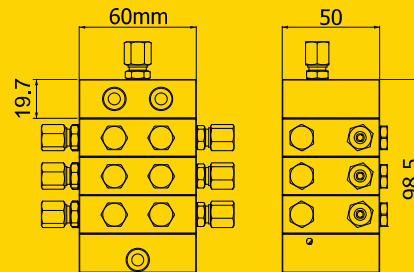


SPECIFICATIONS	Progressive distributors
Working pressure	: Min. 8 bar. - Max. 400 bar.
Grease type	: NLGI - 0 - 1 - 2 - 3
Piston dosage	: 0.050cc - 0.078cc - 0.113cc
Working temperature	: -25°C +80°C
Outlet connection	: M10x1 thread



Progressive L.D. distributor
40 10 03 00 3/6

SPECIFICATIONS	Progressive L.D. distributors
Working pressure	: Min. 8 bar. - Max. 400 bar.
Grease type	: NLGI - 0 - 1 - 2 - 3
Piston dosage	: 0.060cc - 0.088cc - 0.141cc 0.192cc - 0.250cc
Working temperature	: -25°C +80°C
Outlet connection	: M10x1 thread

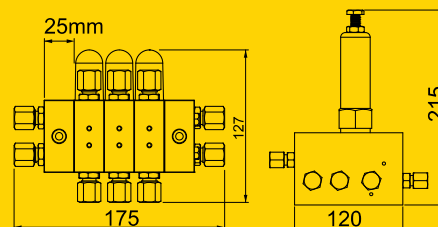


Direction valve
40 20 00 00



SPECIFICATIONS	Two Line System distributors
Working pressure	: Max. 400 bar.
Grease type	: NLGI - 0 - 1 - 2 - 3
Outlet dosage	: 0.5cm ³ - 1.5cm ³ adjustable
Working temperature	: -25°C +80°C
Outlet connection	: R 1/4 thread

2 Line sytem distributors
40 20 04 00 5/10



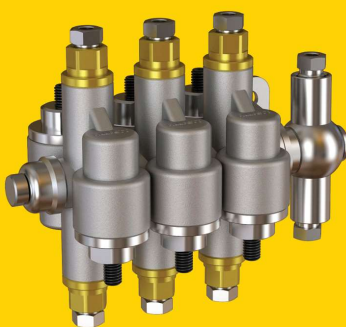
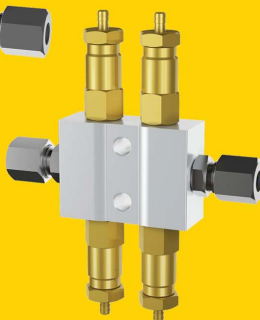
LIQUID GREASE & OIL DISTRIBUTORS



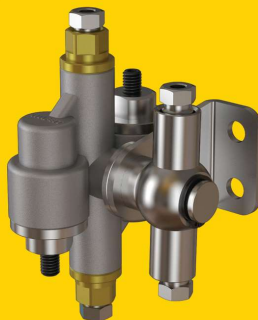
Liquid grease distributor
40 05 00 02



Fixed dose distributor
40 02 00 02



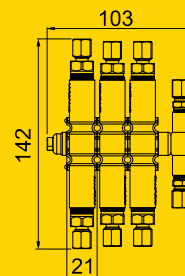
Dose adjustable distributor
40 00 00 02



SPECIFICATIONS

Liquid grease distributors

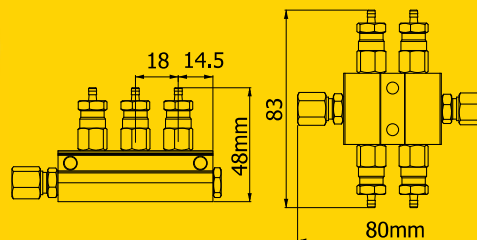
Working pressure	: Pump working pressure
Lubricant type	: NLGI - 0000 - 000 - 00 - 0
Outlet dosage	: 0.078cm ³ - 0.414cm ³ adjustable
Working temperature	: -25°C +80°C
Outlet connection	: Ø6mm tube



SPECIFICATIONS

Fixed dose oil distributors

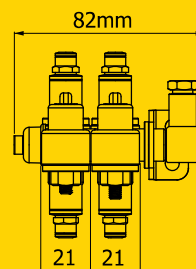
Working pressure	: Pump working pressure
Lubricant type	: Oil
Outlet dosage	: D1 0.050cc - D2 0.078cc D3 0.113cc
Working temperature	: -25°C +80°C
Outlet connection	: Ø4 mm - Ø6mm tube



SPECIFICATIONS

Dose adjustable oil distributors

Working pressure	: 25 bar.
Lubricant type	: Oil
Outlet dosage	: 0.1cm ³ - 1,5cm ³ adjustable
Working temperature	: -25°C +80°C
Outlet connection	: Ø4 mm - Ø6mm tube



SPRAYING UNITS

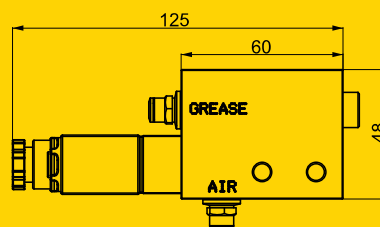
Product Nr. 55 00 00 00



SPECIFICATIONS

Grease spraying unit

Solenoid voltage	: 24 V DC
Air inlet pressure	: 6 - 8 bar.
Grease type	: NLGI 1 - 2
Working temperature	: -25°C +80°C
Spraying distance	: 180 mm
Spraying area	: 160 mm x 60 mm



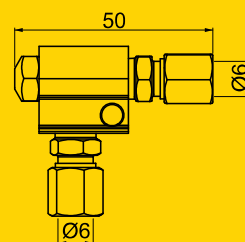
Product Nr. 40 00 01 11



SPECIFICATIONS

Oil spraying unit (Single)

Air inlet pressure	: 6 - 8 bar.
Lubricant type	: Oil
Working temperature	: -25°C +80°C
Spraying distance	: 100 mm



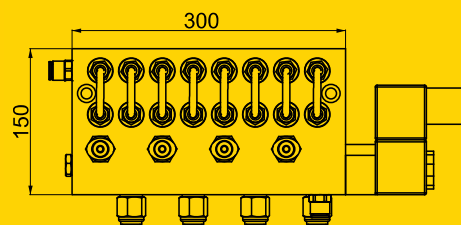
Product Nr. 40 00 01 08



SPECIFICATIONS

Oil spraying unit (Multiple)

Solenoid voltage	: 24 V DC
Air inlet pressure	: 6 - 8 bar.
Lubricant type	: Oil
Working temperature	: -25°C +80°C
Spraying distance	: 100 mm
Outlets	: 2 - 4 - 6 - 8 - 10 outlets



ELECTRONIC CONTROL CARDS (External / Internal)

Product Nr. 30 00 EK 09



Product Nr. 30 00 EK 02

SPECIFICATIONS

Integrated control card protection class	: IP 65
External control card protection class	: IP 20
Working temperature	: -25°C +80°C
Control card voltage	: 10 - 30 V DC
Adjustable working period :	
Time period	1 sec. to 99 minutes
Pulse counter	1 pulse to 99 pulses
Adjustable waiting period	: 1 sec. to 99 hours
Warnings	: Fuse broken, Fault, Alarm



Integrated control card can only be used with ALL-1 and ALL-1 mini series electrical grease pumps.

PRESSURE SWITCHES

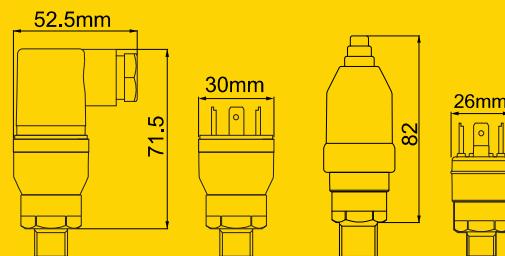
Socket type switches
HD 01 10 10



Standard type switches
SP 01 10 10

SPECIFICATIONS

Contact type	: NO / NC
Pressure scale	: 10 - 20 bar, 10 - 50 bar, 10 - 100 bar, 20 - 50 bar, 50 - 150 bar, 50 - 315 bar.
Electrical connection	: Standard / Electrical socket
Mounting thread	: M10x1 - M20x1,5 - R1/4





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PRESSURE LOOSE CHART

This pressure chart below represents the pump element(s) displacement of ALL-1 DC type electrical grease pumps. Chart shows pressure loose in terms of bar. depending on different displacements in tube of 1 meter.

Tube Diameter	Lubricant Class	(1 Pump element) 2,5 cm ³ / minute					(3 Pump elements) 7,5 cm ³ / minute					(6 Pump elements) 15 cm ³ / minute				
		-10°C	0°C	10°C	20°C	30°C	-10°C	0°C	10°C	20°C	30°C	-10°C	0°C	10°C	20°C	30°C
Ø6 x 1 (Ø6mm)	NLGI 0	4,8	2,6	1,4	0,78	0,48	7,8	4,2	2,4	1,44	0,84	9,6	5,1	3	1,8	1,14
	NLGI 1	8	4,4	2,4	1,3	0,8	13	7	4	2,4	1,4	16	8,5	5	3	1,9
	NLGI 2	12,8	7	3,8	2	1,28	20,8	11,2	6,4	3,84	2,24	25,6	13,6	8	4,8	3
Ø8 x 1 (Ø6mm)	NLGI 0	2,7	1,32	0,72	0,42	0,24	3,9	2,1	1,14	0,66	0,42	4,8	2,7	1,56	0,9	0,54
	NLGI 1	4,5	2,2	1,2	0,7	0,4	6,5	3,5	1,9	1,1	0,7	8	4,6	2,6	1,5	0,9
	NLGI 2	7,2	3,52	1,92	1,12	0,64	10,4	5,6	3	1,76	1,12	12,8	7,3	4,16	2,4	1,44
Ø10 x 1 (Ø8mm)	NLGI 0	1,44	0,72	0,36	0,21	0,12	2,16	1,1	0,6	0,3	0,18	2,64	1,8	0,78	0,42	0,25
	NLGI 1	2,4	1,2	0,6	0,35	0,2	3,6	1,8	1	0,5	0,3	4,4	2,3	1,3	0,7	0,42
	NLGI 2	3,84	1,92	0,96	0,56	0,32	5,76	2,88	1,6	0,8	0,48	7	3,68	2	1,12	0,67
Ø12 x 1 (Ø10mm)	NLGI 0	0,96	0,45	0,22	0,12	0,06	1,32	0,66	0,36	0,18	0,1	1,62	0,84	0,45	0,25	0,15
	NLGI 1	1,6	0,75	0,38	0,2	0,1	2,2	1,1	0,6	0,3	0,18	2,7	1,4	0,75	0,42	0,26
	NLGI 2	2,56	1,2	0,61	0,32	0,16	3,52	1,76	0,96	0,48	0,29	4,32	2,24	1,2	0,67	0,42
R 1/2 (Ø15,75mm)	NLGI 0	0,45	0,2	0,09	-	-	0,6	0,27	0,12	0,07	-	0,69	0,33	0,16	0,09	-
	NLGI 1	0,75	0,34	0,16	-	-	1	0,45	0,2	0,12	-	1,15	0,55	0,28	0,16	-
	NLGI 2	1,2	0,54	0,26	-	-	1,6	0,72	0,32	0,19	-	1,84	0,88	0,45	0,26	-
R 3/4 (Ø21,25mm)	NLGI 0						0,33	0,15	0,06	-	-	0,39	0,16	0,1	-	-
	NLGI 1						0,55	0,25	0,1	-	-	0,65	0,28	0,18	-	-
	NLGI 2						0,88	0,4	0,16	-	-	1	0,45	0,29	-	-
R 1 (Ø27mm)	NLGI 0											0,24	0,12	0,09	-	-
	NLGI 1											0,4	0,2	0,16	-	-
	NLGI 2											0,64	0,32	0,26	-	-

This pressure chart below represents the pump element(s) displacement of ALL-25 type electrical grease pumps. Chart shows pressure loose in terms of bar. depending on different displacements in tube of 1 meter.

Tube Diameter	Lubricant type	(5 Pump elements) 37,5 cm ³ / minute					(10 Pump elements) 75 cm ³ / minute				
		-10°C	0°C	10°C	20°C	30°C	-10°C	0°C	10°C	20°C	30°C
Ø8 x 1 (Ø6mm)	NLGI 0	7,8	4,2	2,6	1,5	0,95	10,2	6	3,6	2,3	1,4
	NLGI 1	13	7	4,4	2,6	1,6	17	10	6	3,8	2,4
	NLGI 2	28	11,2	7	4,2	2,5	27,2	16	9,6	6	3,8
Ø10 x 1 (Ø8mm)	NLGI 0	3,9	2	1,2	0,7	0,4	5,1	3	1,68	1	0,6
	NLGI 1	6,5	3,4	2	1,2	0,7	8,5	5	2,8	1,7	1,1
	NLGI 2	10,4	5,4	3,2	1,9	1,1	13,6	8	4,5	2,7	1,7
Ø12 x 1 (Ø10mm)	NLGI 0	2,4	1,2	0,7	0,4	0,2	3	1,5	0,9	0,5	0,3
	NLGI 1	4	2	1,2	0,7	0,4	5	2,6	1,6	0,9	0,5
	NLGI 2	6,4	3,2	1,9	1,1	0,6	8	4,1	2,5	1,4	0,8
R 1/2 (Ø15,75mm)	NLGI 0	0,9	0,48	0,2	0,1	0,08	1,2	0,6	0,3	0,18	0,1
	NLGI 1	1,5	0,8	0,4	0,2	0,1	2	1	0,5	0,3	0,18
	NLGI 2	2,4	1,28	0,6	0,3	0,2	3,2	1,6	0,88	0,48	0,29
R 3/4 (Ø21,25mm)	NLGI 0	0,5	0,26	0,13	0,06	-	0,66	0,32	0,18	0,09	0,06
	NLGI 1	0,9	0,44	0,22	0,1	-	1,1	0,54	0,3	0,16	0,1
	NLGI 2	1,44	0,7	0,35	0,16	-	1,75	0,86	0,48	0,26	0,16
R 1 (Ø27mm)	NLGI 0	0,33	0,15	0,07	-	-	0,42	0,19	0,09	-	-
	NLGI 1	0,55	0,26	0,12	-	-	0,7	0,32	0,16	-	-
	NLGI 2	0,88	0,42	0,19	-	-	1,12	0,51	0,26	-	-