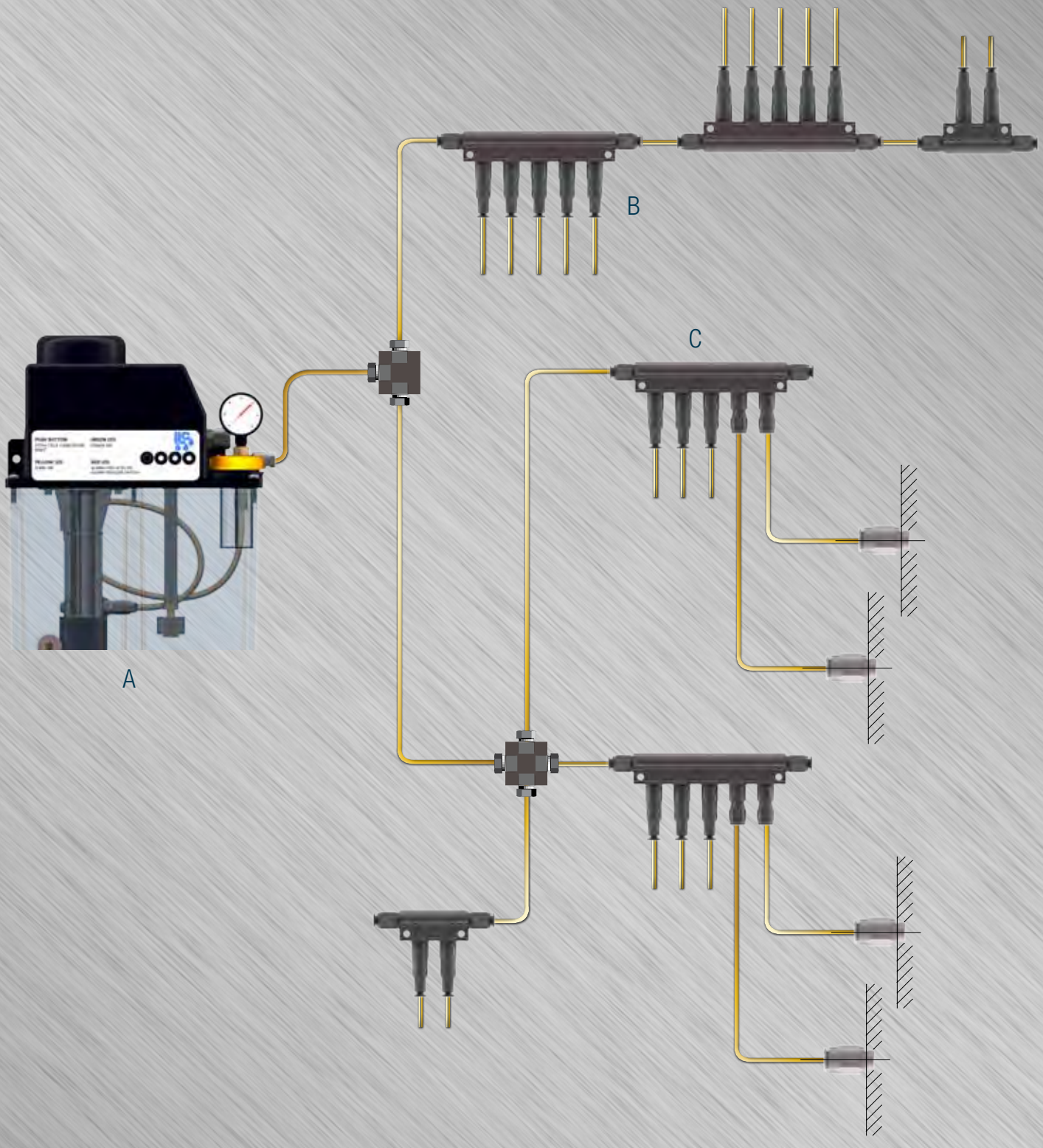


A	CME ELECTRIC PUMP
B	VOLUMETRIC METERING VALVES
C	MANIFOLDS

CME SINGLE PHASE GEAR PUMPS

CME pumps have been precisely tailored to meet the widest possible range of operating requirements. **CME** pumps provide metered lubrication for medium or big machine with many points. **CME** pumps handle oils from 50 to 1000 cst and soft-grease with nlgi 000-00. **CME** electric pumps have been developed for single line system to feed positive displacement injectors (control response direct or indirect). cme has the gear pump with a discharge of 100 cc/1', the single phase motor 115 v or 230 v ac (on request 24 v dc), the low level switch, the integrated electronic card (on request) and the pressure switch (on request) inside in the housing. the impact resistant transparent reservoir has a capacity of 3.6 liters or 6 liters. the gear pump is complete of valves to relief - purge air and by/pass. the integrated electronic card controls and supervises the system in many ways. it has the possibility to adjust the pause time (from 2.5 minutes to 21 hours) and the working time (from 5 seconds to 90 seconds) by means of dip-switches, to control the system by means of a pressure switch (inside or outside), to select if is required or not the pre-lubrication function and to have the remote alarm signal.

L'aspetto dei prodotti può essere soggetto a modifica senza preavviso

Features

MOTOR 115 V AC OR 230 V AC	SINGLE-PHASE
POWER RATING	110 W
CURRENT	0.75 A (230 V) 1.5 A (115 V)
PROTECTION	IP-33 CLASS B
MOTOR 24 V DC	30 W – 1.5 A
DISCHARGE/1'	100 CC
WORKING PRESSURE	24 BAR MAX FOR OIL 0 BAR MAX PER GRASSELLO
RESERVOIR	NYLON 3.6 OR 6 LITERS
LUBRICANTS	OIL 50 - 1000 cSt SOFT GREASE NLGI 000 - 00
SUCTION STRAINER	250 MICRON
LOW LEVEL RATINGS	OIL 0.5 A - 250 V AC - 150 V DC SOFT-GREASE 2 A 24 V DC
PRESSURE GAUGE	0-60 BAR ON REQUEST
PAUSE TIME	FROM 2.5 MINUTES TO 21 HOURS
WORKING TIME	FROM 5 TO 90 SECONDS
DISCHARGE PORT	M12X1 TUBE 6 MM
PUSH BUTTON	EXTRA CYCLES - RESET
GREEN LAMP	ON LINE
YELLOW LAMP	WORK PUMP
RED LAMP	LOW-LEVEL ALARM PRESSURE ALARM
OPERATING TEMPERATURE	FROM -10 °C TO +60 °C
If engine temperature reaches 150 ° C occurs protection by mean of a sensor which stops and starts engine up again until the temperature drops below 150 ° C.	

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The **CME** use the same electronic timer with control or without control. It is only necessary to change the jumper j2 position (see the next pages). If the jumper j2 is in the position “timer with control” has to be installed a pressure switch otherwise a fault will be indicated from the electronic card after the first cycle and the pump will stop to work.
The jumper j1 is an additional feature and has the ability to select whether the system operates whenever the controller is switched on (prelube) or not. The “prelube required” is very useful when has to be used a long pause time or the machine is being turned off for long time. The electronic timer has no memory so the working time resets during power interruptions.
Pressing the push button on the electronic timer will end the pause period and start the pump that will run for the working period. It is also used to clear a system fault indication (from the pressure switch or the low level switch).
To avoid to stop the pump before the most far metering valves have worked, specially the cme with inside pressure switch and the cme with electronic timer with control continue to work for the set working period and after will monitor if the pressure switch closed the contact or not.
For the layout with outside drive a plc or a control board is needed for adjusting the working and pause time. In this case the minimum pause period has to be 5 minutes and the maximum working period has to be 60 seconds. If it is necessary to have a pause period of 2.5 minutes the maximum working period has to be 45 seconds. When this layout has a pressure switch inside the plc or the control board have to monitor the contacts change of the pressure switch and the low level switch (all the layouts have a low level switch).

IMPORTANT: when the low level switch closes the contacts the red led turns on. The pump will continue to work without problem.

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There Are 6 Layout For The Cme Gear Pumps

FUNCTIONS	LAYOUT
THE LAYOUT WITHOUT ELECTRONIC TIMER IS CALLED CE AND HAS TO BE DRIVEN FROM A PLC OR A CONTROL BOARD. THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE LOW LEVEL SWITCH AND THE TENSION.	CME CE
THE LAYOUT WITH ELECTRONIC TIMER WITHOUT CONTROL IS CALLED SC. THE PUMP WORKS ON THE BASIS OF A PAUSE AND WORKING PERIOD. THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE TENSION AND THE LOW LEVEL SWITCH (IF IT IS NECESSARY TO HAVE THIS SIGNAL IN SOME OTHER SITE OF THE MACHINE).	CME SC
THE LAYOUT WITHOUT ELECTRONIC TIMER AND WITH PRESSURE SWITCH INSIDE IS CALLED CE + PFL (PRESSURE SWITCH INSIDE) AND HAS TO BE DRIVEN FROM A PLC OR A CONTROL BOARD. THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE LOW LEVEL SWITCH, THE TENSION AND THE PRESSURE SWITCH.	CME + PFL
THE LAYOUT WITH ELECTRONIC TIMER WITH CONTROL AND WITH PRESSURE SWITCH INSIDE IS CALLED CC + PFL (PRESSURE SWITCH INSIDE). THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE TENSION AND THE LOW LEVEL SWITCH (IF IT IS NECESSARY TO HAVE THIS SIGNAL IN SOME OTHER SITE OF THE MACHINE).	CME CC + PFL
THE LAYOUT WTHOUT ELECTRONIC TIMER WITH PRESSURE SWITCH INSIDE AND COMPLETE OF THE PUSH BUTTON IS CALLED CE + PLUS + PFL (PRESSURE SWITCH INSIDE). THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE TENSION, THE PRESSURE SWITCH AND THE LOW LEVEL SWITCH.	CME CE + PULS + PFL
THE LAYOUT WITHOUT ELECTRONIC TIMER AND COMPLETE WITH PUSH BUTTON IS CALLED CE + PULS AND HAS TO BE DRIVEN FROM A PLC OR A CONTROL BOARD. THE ELECTRICAL LINKS HAVE TO BE MADE FOR THE LOW LEVEL SWITCH AND THE TENSION.	CME CE + PULS

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CME FOR OIL WITH MOTOR 115 V AC OR 230 V AC

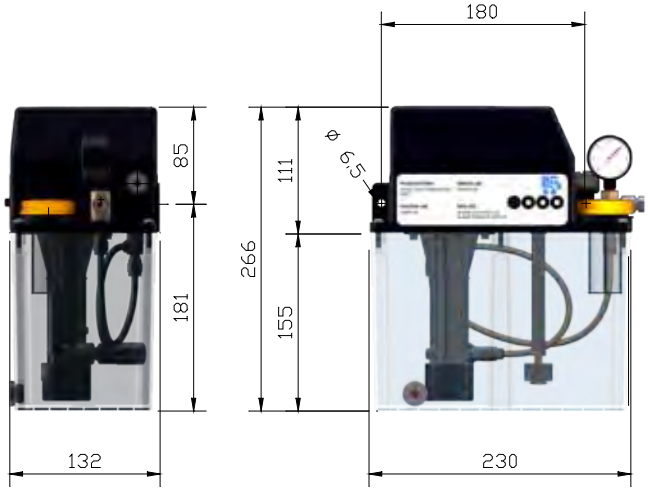
Codes For Order

PUMP	TYPE			RESERVOIR	
00.870.0	CME	CE	115 V	3.6 L	WITHOUT TIMER
00.870.1	CME	CE	230 V	3.6 L	
00.870.2	CME	SC	115 V	3.6 L	WITH TIMER FOR WORKING AND PAUSE TIME
00.870.3	CME	SC	230 V	3.6 L	
00.870.4	CME	CE + PFL	115 V	3.6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.870.5	CME	CE + PFL	230 V	3.6 L	
00.870.6	CME	CC + PFL	115 V	3.6 L	WITH TIMER AND PRESSURE SWITCH
00.870.7	CME	CC + PFL	230 V	3.6 L	
00.870.8	CME	CE + PULS + PFL	115 V	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.870.9	CME	CE + PULS + PFL	230 V	3.6 L	
00.873.5	CME	CE + PULS	115 V	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.873.6	CME	CE + PULS	230 V	3.6 L	
00.874.5	CME	CE	115 V	6 L	WITHOUT TIMER
00.874.6	CME	CE	230 V	6 L	
00.874.7	CME	SC	115 V	6 L	WITH TIMER FOR WORKING AND PAUSE TIME
00.874.8	CME	SC	230 V	6 L	
00.874.9	CME	CE + PFL	115 V	6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.875.0	CME	CE + PFL	230 V	6 L	
00.875.1	CME	CC + PFL	115 V	6 L	WITH TIMER AND PRESSURE SWITCH
00.875.2	CME	CC + PFL	230 V	6 L	
00.875.3	CME	CE + PULS + PFL	115 V	6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.875.4	CME	CE + PULS + PFL	230 V	6 L	
00.875.5	CME	CE + PULS	115 V	6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.875.6	CME	CE + PULS	230 V	6 L	

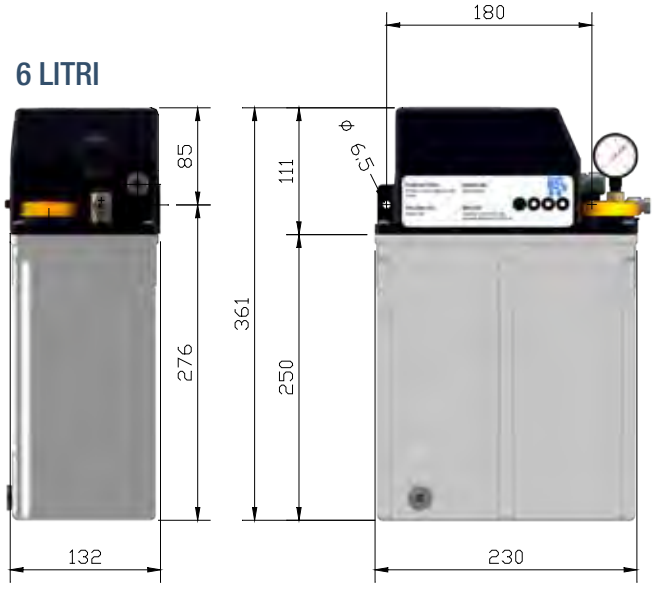
EQUIPMENT ON REQUEST	CODE
PRESSURE GAUGE 0 - 60 BAR	46.300.0

Overall Dimension

3,6 LITRI



6 LITRI



L'aspetto dei prodotti può essere soggetto a modifica senza preavviso

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CME FOR SOFT GREASE WITH MOTOR 115 V AC OR 230 V AC

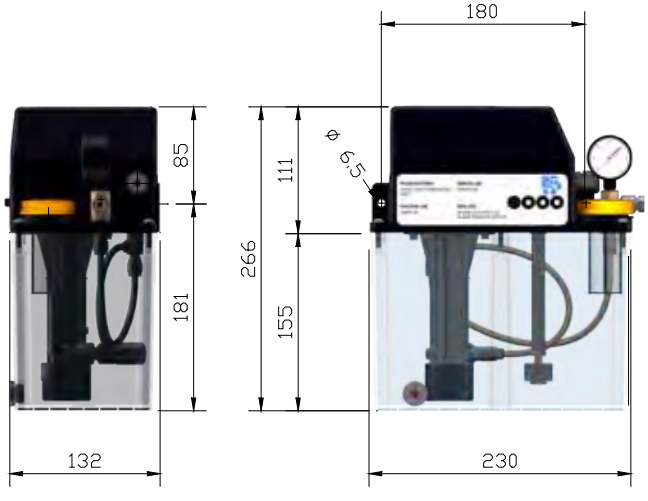
Codes For Order

PUMP	TYPE			RESERVOIR	
00.872.0	CME-G	CE	115 V	3.6 L	WITHOUT TIMER
00.872.1	CME-G	CE	230 V	3.6 L	
00.872.2	CME-G	SC	115 V	3.6 L	WITH TIMER FOR WORKING AND PAUSE TIME
00.872.3	CME-G	SC	230 V	3.6 L	
00.872.4	CME-G	CE + PFL	115 V	3.6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.872.5	CME-G	CE + PFL	230 V	3.6 L	
00.872.6	CME-G	CC + PFL	115 V	3.6 L	WITH TIMER AND PRESSURE SWITCH
00.872.7	CME-G	CC + PFL	230 V	3.6 L	
00.872.8	CME-G	CE + PULS + PFL	115 V	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.872.9	CME-G	CE + PULS + PFL	230 V	3.6 L	
00.873.9	CME-G	CE + PULS	115 V	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.874.0	CME-G	CE + PULS	230 V	3.6 L	
00.877.0	CME-G	CE	115 V	6 L	WITHOUT TIMER
00.877.1	CME-G	CE	230 V	6 L	
00.877.2	CME-G	SC	115 V	6 L	WITH TIMER FOR WORKING AND PAUSE TIME
00.877.3	CME-G	SC	230 V	6 L	
00.877.4	CME-G	CE + PFL	115 V	6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.877.5	CME-G	CE + PFL	230 V	6 L	
00.877.6	CME-G	CC + PFL	115 V	6 L	WITH TIMER AND PRESSURE SWITCH
00.877.7	CME-G	CC + PFL	230 V	6 L	
00.877.8	CME-G	CE + PULS + PFL	115 V	6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.877.9	CME-G	CE + PULS + PFL	230 V	6 L	
00.878.0	CME-G	CE + PULS	115 V	6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.878.1	CME-G	CE + PULS	230 V	6 L	

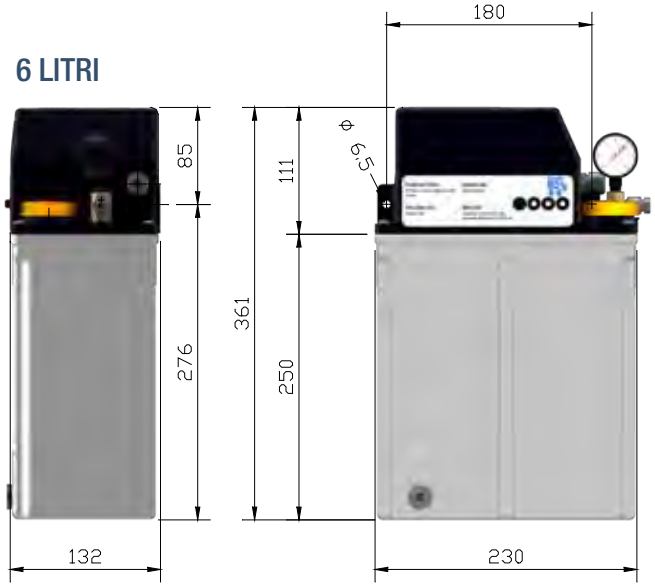
EQUIPMENT ON REQUEST	CODE
PRESSURE GAUGE 0 - 60 BAR	46.300.0

Overall Dimension

3,6 LITRI



6 LITRI



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CME FOR OIL (CME) AND CME FOR SOFT GREASE (CME-G) WITH MOTOR 24 V DC

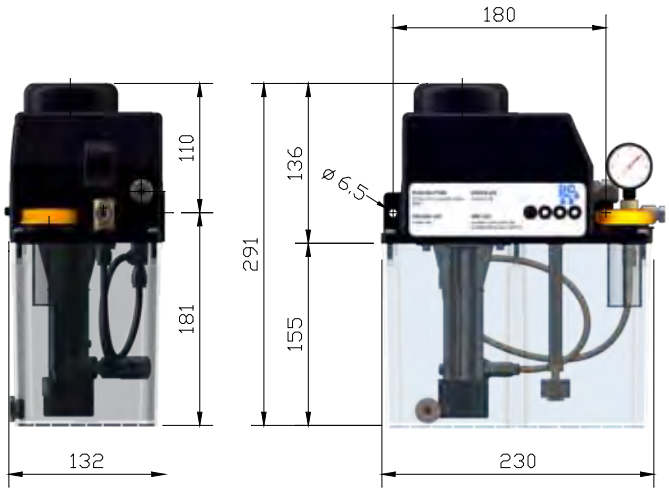
Codes For Order

PUMP	TYPE		RESERVOIR	
00.871.4	CME	CE	3.6 L	WITHOUT TIMER
00.871.5	CME-G	CE	3.6 L	
80.872.0	CME	SC	3.6 L	WITH TIMER FOR WORKING AND PAUSE TIME
80.872.1	CME-G	SC	3.6 L	
00.871.6	CME	CE + PFL	3.6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.871.7	CME-G	CE + PFL	3.6 L	
80.872.2	CME	CC + PFL	3.6 L	WITH TIMER AND PRESSURE SWITCH
80.872.3	CME-G	CC + PFL	3.6 L	
00.879.1	CME	CE + PULS + PFL	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.879.2	CME-G	CE + PULS + PFL	3.6 L	
80.871.9	CME	CE + PULS	3.6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.879.9	CME-G	CE + PULS	3.6 L	
00.875.7	CME	CE	6 L	WITHOUT TIMER
00.875.8	CME-G	CE	6 L	
80.872.4	CME	SC	6 L	WITH TIMER FOR WORKING AND PAUSE TIME
80.872.5	CME-G	SC	6 L	
00.875.9	CME	CE + PFL	6 L	WITHOUT TIMER - WITH PRESSURE SWITCH
00.876.8	CME-G	CE + PFL	6 L	
80.872.6	CME	CC + PFL	6 L	WITH TIMER AND PRESSURE SWITCH
80.872.7	CME-G	CC + PFL	6 L	
00.876.9	CME	CE + PULS + PFL	6 L	WITHOUT TIMER - WITH PUSH BUTTON AND PRESSURE SWITCH
00.879.3	CME-G	CE + PULS + PFL	6 L	
00.879.4	CME	CE + PULS	6 L	WITHOUT TIMER - WITH PUSH BUTTON
00.879.8	CME-G	CE + PULS	6 L	

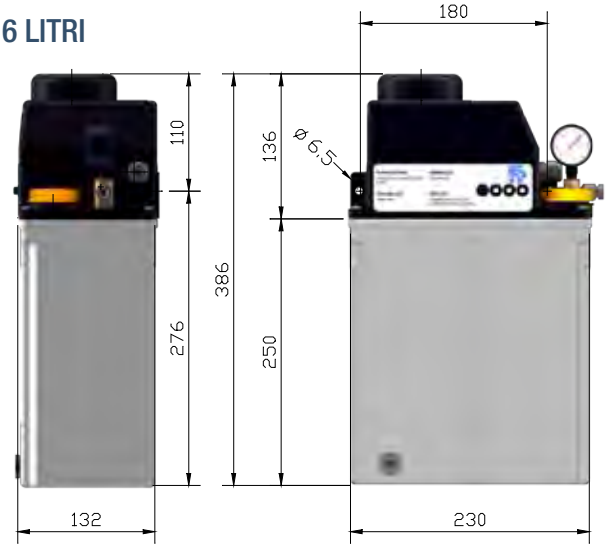
EQUIPMENT ON REQUEST	CODE
PRESSURE GAUGE 0 - 60 BAR	46.300.0

Overall Dimension

3,6 LITRI



6 LITRI



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