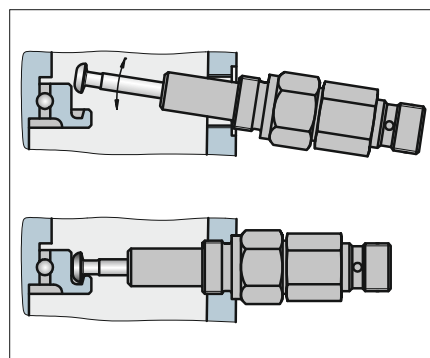


Pump unit PMF and GMF Spare parts

- Subject to modifications -



PMF pump elements assembly:

When fitting another pump element into the reciprocating pump, please proceed as shown in the sketch beside: With the delivery piston being approximately pulled out half, insert the pump element diagonally upward into the casing's reception hole. Insertion and operation will be easier when the hole that serves to accommodate the delivery piston is filled with grease. Do not put the pump element into horizontal position and screw in, unless the delivery piston's head touches the pressure ring and ratches into the latter's groove.

When demounting, pull the pump element cautiously out of the casing such that the delivery piston will remain within the pump element.

Notes to operation:

Reciprocating pumps must be operated with clean oil or grease from original drums only. If, upon start-up, filling is not made via the filling nipple, the pump, in case of initial filling, has to be filled with gear oil up to the stirrer wing's level. This way, proper deaeration is ensured. The lubricant leads must be cleaned and have no obstructions. They shall not be connected with the lubrication points, unless lubricant comes out free of bubbles. All delivery pipe connections should be checked for leakage.



Pos. Designation Order-no.

1 Reservoir: incl. O-ring pos. 4.2

1.1 Reservoir 30 polyester Reservoir 30 l without lid Lid 30 l	110.475-65K 110.645-65K
1.2 Reservoir 10 polyester Reservoir 10 l without lid Lid 5 and 10 l	110.615-65K 110.625-65K
1.3 Reservoir 5 polyester Reservoir 5 l without lid Lid 5 and 10 l	110.610-65K 110.625-65K
1.4 Reservoir 2V steel without opening level contr.	110.511-65K
1.5 Reservoir 4V steel with opening level control without opening level contr.	110.512-67K 110.512-65K
1.6 Reservoir 7V steel with opening level control without opening level contr.	110.513-67K 110.513-65K
1.7 Reservoir 25V steel with opening level control without opening level contr.	110.514-67K 110.514-65K

2 Level control in the reservoir:

2.1 Level switch for follower piston for reservoir 5 for reservoir 10 for reservoir 30	476.556-63 476.557-63 476.558-64
2.2 Follower piston F/K (for level control) for reservoir 5 and 10 for reservoir 30	110.586-65 110.585-65
Follower piston O/K (without level control) for reservoir 5 and 10 for reservoir 30	110.586-66 110.585-66
2.3 Level switch with float for reservoir 4V for reservoir 5 for reservoir 7V for reservoir 10 for reservoir 25V for reservoir 30	477.065-64 476.556-63 477.076-64 476.557-64 110.693-65K 110.696-65K

3 Vertical wiper:

3.1 for reservoir 2V for reservoir 4V and 5 for reservoir 7V and 10 for reservoir 25V and 30	110.416-65K 110.426-65K 110.436-65K 110.446-65K
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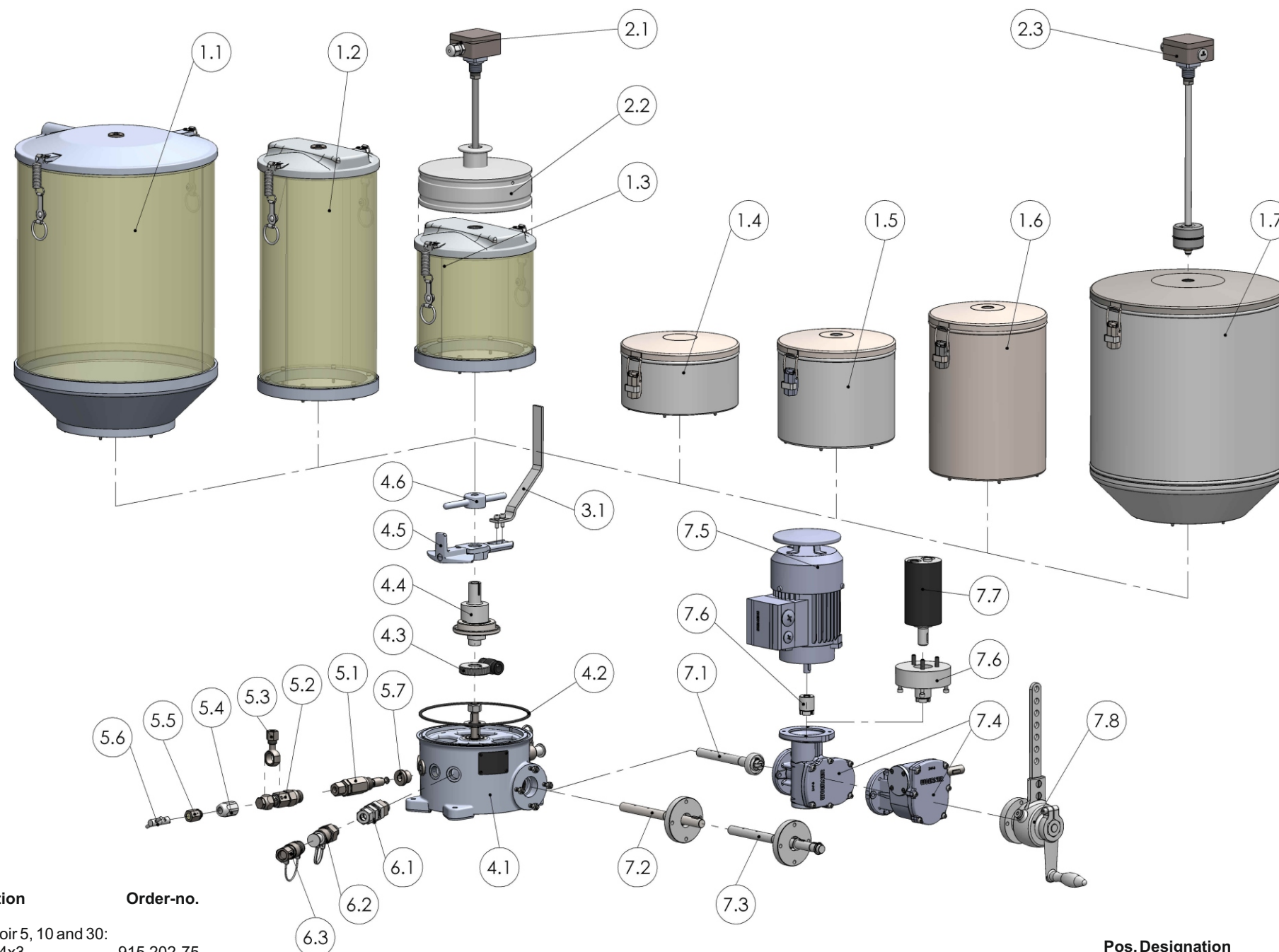
4 Pump housing:

4.1 Pump housing Type A up to 2 points Type B up to 10 points Type C up to 20 points Type D up to 24 points	110.280-64 110.340-64 110.525-64 110.523-64
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Pos. Designation	Order-no.
4.2 for reservoir 5, 10 and 30: O-ring 174x3 for reservoir 2V, 4V, 7V and 25V: O-ring 174x3,5	915.202-75 915.202-99

Pos. Designation	Order-no.
4.3 Worm drive Gear reduction (for total gear reduction)	
1,33	110.141-65K
1,78	110.142-65K
2,33	110.143-65K
4,25	110.144-65K
7,66 60 and 97	110.145-65K
12,7 160 and 316	110.146-65K
25 625 and 1250	110.147-65K
50 2500 and 3300	110.148-65K
66 4356	110.149-65K

Pos. Designation	Order-no.
4.4 Eccentric Type A and B up to 10 points Type C and D over 10 points	110.020-65
4.5 Stirrer blade	110.040-65
4.6 Horizontal wiper	110.001-45



Pos. Designation Order-no.

5 Pump element:

5.1 Pump element Size 22	110.990-65
5.2 Pump element Size 6 DMF-A/6/0/0/1/1/0 Size 8 DMF-A/8/0/0/1/1/0 other pump elements see data sheet DMF-A P0386 Strainer	913.300-21

Pos. Designation Order-no.

5.3 Ring piece 6 Ring piece 8 Ring piece 10	110.070-64 110.080-64 110.090-64
5.4 Pressure gauge connection G 1/4	110.068-65K
5.5 Pressure relief valve 70 bar 150 bar 400 bar adjusted to customer's order P _{max} 160 bar P _{max} 450 bar	110.566-65 110.564-65 110.560-65 110.568-65 110.562-65

Pos. Designation Order-no.

5.6 Key for volume setting	110.004-65
5.7 Threaded plug	110.076-65K
6 Filling connection:	
6.1 Filling connection B	110.550-66K
6.2 Filling connection V	110.127-65K
6.3 Coupling part for filling connection V	110.135-65K
7 Drive:	
7.1 Driving shaft for type of drive L, M, N, O, P, V	110.212-65
7.2 Driving shaft for type of drive U	110.277-64
7.3 Driving shaft for type of drive R	110.273-64
7.4 Gear for drive M, N, V, L with coupling parts Gear reduction see data sheet P0833	
7,66	ZAF-B / ... / 7,66
12,7	ZAF-B / ... / 12,7
25	ZAF-B / ... / 25
50	ZAF-B / ... / 50
66	ZAF-B / ... / 60
other transmissions on request	
7.5 Motor please indicate technical data for drive M: Assembly group 63 design V 18 / C 90 for drive N: Assembly group 71 design V 18 / C 105	
7.6 Coupling parts Drive M	115.276-65K
Coupling parts Drive N	115.276-66K
Attaching parts drive L	115.276-67K
7.7 Motor for drive L Hydraulic motor	990.999-48
7.8 Drive O	115.500-65K

Pos. Designation	Order-no.
8.1 Spare part set for pump housing Pos 4.1	110.005-65K