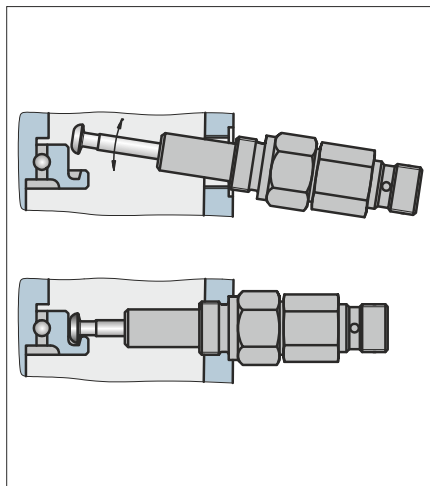


Pump unit PMF and GMF Spare parts

- 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 monitoring	110.511-65K
1.5 Reservoir 4V steel with opening level monitoring without opening level monitoring	110.512-67K 110.512-65K
1.6 Reservoir 7V steel with opening level monitoring without opening level monitoring	110.513-67K 110.513-65K
1.7 Reservoir 25V steel with opening level monitoring without opening level monitoring	110.514-67K 110.514-65K

2 Level monitoring 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 monitoring) for reservoir 5 and 10 for reservoir 30 Follower piston O/K (without level monitoring) for reservoir 5 and 10 for reservoir 30	110.586-65 110.585-65 110.586-66 110.585-66
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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Pos. Designation	Order no.
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
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 1,78 2,33 4,25 7,66 12,7 25 50 66	110.141-65K 110.142-65K 110.143-65K 110.144-65K 110.145-65K 110.146-65K 110.147-65K 110.148-65K 110.149-65K
60 and 97 160 and 316 625 and 1250 2500 and 3300 4356	

Pos. Designation	Order no.
4.4 Eccentric Type A and B up to 10 points Type C and D over 10 points	110.020-65 110.030-65
4.5 Stirrer blade	110.041-64
4.6 Horizontal wiper	110.001-47
5 Pumpelement:	
5.1 Pump element Size 22	110.990-65

Pos. Designation	Order no.
5.2 Pump element Size 6 Size 8 other pump elements see data sheet DMF-AP0386 Strainer	DMF-A/6/0/0/1/1/0 DMF-A/8/0/0/1/1/0 913.300-21
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

Pos. Designation Order no.

5.5 Pressure relief valve 70 bar 80 bar 100 bar 150 bar 250 bar 350 bar 400 bar	110.566-64 110.569-64 110.565-64 110.564-64 110.563-64 110.570-64 110.560-64
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adjusted to customer's order P _{max} 160 bar P _{max} 450 bar	110.568-65 110.562-65
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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 12,7 25 50 66	ZAF-B / ... / 7,66 ZAF-B / ... / 12,7 ZAF-B / ... / 25 ZAF-B / ... / 50 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	
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7.6 Coupling parts Drive M Coupling parts Drive N Attaching parts drive L	115.276-65K 115.276-66K 115.276-67K
7.7 Motor for drive L Hydraulic motor	990.999-48
7.8 Drive O	115.500-65K

Spare part set for pump housing Pos. 4.1	110.005-65K
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