

## Product Data Sheet

### FL-MK pump groups

Flange pump group DN 40 – 65 for heat distribution up to 2300 kW.  
(mixer circuit for large manifold up to 2,300 kW)

For completion of the large manifold system. The assemblies are pre-assembled, inspected and completely sealed at the factory, with or without recirculation pump; axial distance 250 mm, 2 shut-off valves, integrated backflow preventer, 3-way flange mixer, 3 fill and drain ball valves, 2 thermometers, additional connection options ½" in the flow line and return line, dirt trap, piping and connector parts, including BigFixlock unions for the manifold (connection DN 50 for all models), connecting pieces for the heating circuits made from seamless steel pipe in accordance with pump dimension with pipe nut; including EPP insulation.



Type	Model	Connection		###	Order Code
		DN	"		
FL-MK DN 40	Without pump	40	1 ½"	1	M66547EA
FL-MK DN 40	Without pump, with pump cut-out */**	40	1 ½"	1	M66547EAS
FL-MK DN 40	Without pump, with pump cut-out for MMNA3 40 -100 F**	40	1 ½"	1	M66547.21EAS
FL-MK DN 40	Without pump, with pump cut-out for Stratos 40 / 1 - 8	40	1 ½"	1	M66547.16WIEAS
FL-MK DN 40	With Grundfos pump MMNA3 40 – 100 F	40	1 ½"	1	M66547.21
FL-MK DN 40	With Wilo pump Stratos 40 / 1 – 4	40	1 ½"	1	M66547.14WI
FL-MK DN 40	With Wilo pump Stratos 40 / 1 – 8	40	1 ½"	1	M66547.16WI
FL-MK DN 50	Without pump	50	2"	1	M66548EA
FL-MK DN 50	Without pump, with pump cut-out */**	50	2"	1	M66548EAS
FL-MK DN 50	Without pump, with pump cut-out for MMNA3 50 -100 F	50	2"	1	M66548.21EAS
FL-MK DN 50	Without pump, with pump cut-out for Stratos 50 / 1 - 10 **	50	2"	1	M66548.13WIEAS
FL-MK DN 50	With Grundfos pump MMNA3 50 – 100 F	50	2"	1	M66548.21
FL-MK DN 50	With Wilo pump Stratos 50 / 1 – 8	50	2"	1	M66548.12WI

Type	Model	Connection		###	Order Code
		DN	"		
FL-MK DN 50	With Wilo pump Stratos 50 / 1 – 10	50	2"	1	M66548.13WI
FL-MK DN 65	Without pump	65	2 1/2"	1	M66549EA
FL-MK DN 65	Without pump, with pump cut-out */**	65	2 1/2"	1	M66549EAS
FL-MK DN 65	Without pump, with pump cut-out for MMNA3 65 -120 F	65	2 1/2"	1	M66549.22EAS
FL-MK DN 65	Without pump, with pump cut-out for Stratos 65 / 1 – 12	65	2 1/2"	1	M66549.12WIEAS
FL-MK DN 65	With Grundfos pump MMNA3 65 – 120 F	65	2 1/2"	1	M66549.22
FL-MK DN 65	With Wilo pump Stratos 65 / 1 – 12	65	2 1/2"	1	M66549.12WI

\* For selected pumps of the manufacturers Grundfos and Wilo.

\*\* Suitable flange spacers available for length compensation for Grundfos Magna3 or Wilo Stratos.

Specifications	FL-MK		
	DN 40	DN 50	DN 65
Dimensions HxWxD approx. (per line, without pump) [mm]	920 × 245 × 280	920 × 245 × 280	1000 × 245 × 280
Connections heating circuit (pipe-ø, including groove for BigFixLock) [mm]	48.3	60.3	76.1
Connection manifold / boiler (BigFixLock clamp)	DN 40 × DN 50	DN 50	DN 65 × DN 50
Axial distance [mm]	250	250	250
Max. operating temperature [ °C]	110	110	110
Permissible positive operating pressure [PN]	10	10	10
Thermometers	2 × 0 – 120 °C	2 × 0 – 120 °C	2 × 0 – 120 °C
Backflow preventer	1 × (in the flow line)	1 × (in the flow line)	1 × (in the flow line)
Dirt trap	1 × (in the return line)	1 × (in the return line)	1 × (in the return line)
Installed length of pump [mm]	250	280	340
Kvs value [m <sup>3</sup> /h]	8.8	17.8	30.0
Power P <sup>1)</sup> [kW]			
Magna3 xx-100 F or 120F	69 - 103	91 - 136	281 - 422
Stratos xx / 1 – 4	23 - 35	81 - 122	
Stratos xx / 1 – 8	58 - 87	91 - 136	
Stratos xx / 1 –10 or 12			274 - 412
Flow rate V [m <sup>3</sup> /h]			
Magna3 xx-100 F or 120F	5.9	7.8	24.2

Specifications	FL-MK		
	DN 40	DN 50	DN 65
<b>Stratos xx / 1 – 4</b>	2.0	7.0	
<b>Stratos xx / 1 – 8</b>	5.0	7.8	
<b>Stratos xx / 1 –10 or 12</b>			23.6

1) Power P in [kW] at 10 K / 15 K temperature differential and 2 mWS residual delivery head.

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