



**DISTRIBUTION
& REGULATING
GROUPS**
DN 20

NEW



COMPACT SOLUTION



**EASY INSTALLATION AND
MAINTENANCE**








MULTIFUNCTION



EVERYTHING UNDER CONTROL



HIGHLIGHTS

-  **UNIQUE AND COMPACT DESIGN:** *the most compact of the category with 90 mm connections and 130 mm centre distance pump*
-  **EASY INSTALLATION AND MAINTENANCE:** *installation in less than 15 minutes, complete accessibility to all the components*
-  **EVERYTHING UNDER CONTROL:** *all the house management in only one product*
-  **COMPLETE RANGE:** *solutions for all your applications*
-  **DOUBLE THREAD:** *innovative solutions to connect different size pipes*



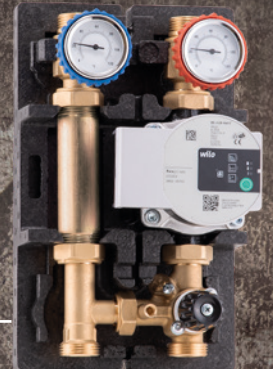
01G.DN20: Direct distribution group



02G.DN20: Regulating group with thermostatic mixing valve



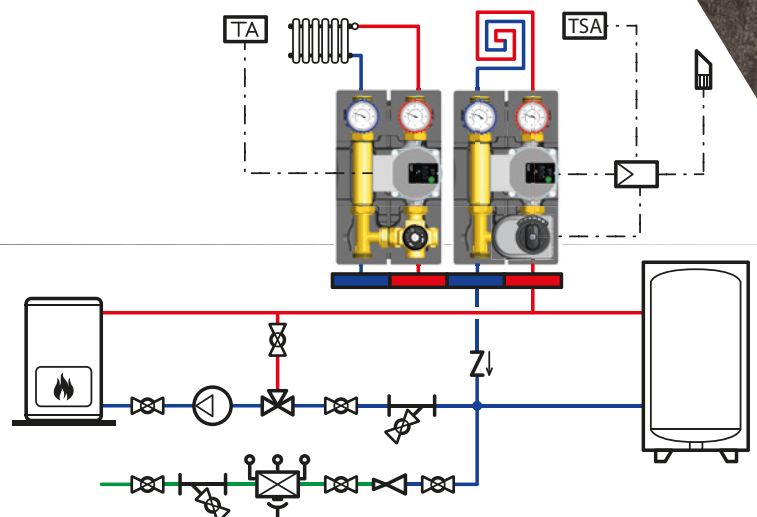
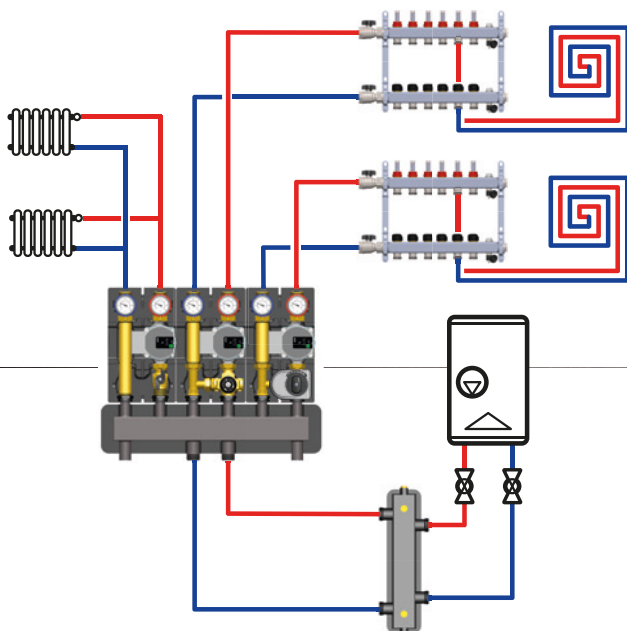
07G.DN20: Regulating group with 3-way mixing valve fitted to be actuated



07G.04.DN20: Regulating group with 3-way mixing valve fitted to be actuated and 3 point actuator

DESCRIPTION

Distribution and regulating groups supply to the secondary system the thermal medium, coming from the primary circuit, in a direct way (direct group without regulation 01G), at constant temperature (thermostatic group 02G) or with temperature regulation, combined with an actuator and a controller (versions with actuator 07G.04 and fitted to be actuated 07G). They are used in heating systems, in particular in radiant panel and radiator systems. The product is composed of a pump, flow/return shut-off valves, thermostatic or fitted-to-be-actuated mixing valve (thermostatic group, group with actuator and fitted to be actuated), flow/return temperature gauges, check valve, thermal insulation.




01G.DN20

Direct distribution group - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Code	Size	Pump	
01G 020 00X	G 1 M - (G 1 M+G 3/4 F)	⊗ WITHOUT PUMP	1
01G 020 00P	G 1 M - (G 1 M+G 3/4 F)	wilo Para 15-130/7-50/SC-9	1
01G 020 00L	G 1 M - (G 1 M+G 3/4 F)	GRUNDFOS UPM3 AUTO 15-70 130	1
01G 020 00F	G 1 M - (G 1 M+G 3/4 F)	GRUNDFOS (Extra EU) UPSO 15-65 130	1



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02G.DN20


Regulating group with thermostatic mixing valve - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	°C	
02G 020 00X	G 1 M - (G 1 M+G 3/4 F)	3,5	⊗ WITHOUT PUMP	30-60	1
02G 020 00P	G 1 M - (G 1 M+G 3/4 F)	3,5	wilo Para 15-130/7-50/SC-9	30-60	1
02G 020 00L	G 1 M - (G 1 M+G 3/4 F)	3,5	GRUNDFOS UPM3 AUTO 15-70 130	30-60	1
02G 020 00F	G 1 M - (G 1 M+G 3/4 F)	3,5	GRUNDFOS (Extra EU) UPSO 15-65 130	30-60	1
02G 020 00X E	G 1 M - (G 1 M+G 3/4 F)	3,5	⊗ WITHOUT PUMP	25-50	1
02G 020 00P E	G 1 M - (G 1 M+G 3/4 F)	3,5	wilo Para 15-130/7-50/SC-9	25-50	1
02G 020 00L E	G 1 M - (G 1 M+G 3/4 F)	3,5	GRUNDFOS UPM3 AUTO 15-70 130	25-50	1
02G 020 00F E	G 1 M - (G 1 M+G 3/4 F)	3,5	GRUNDFOS (Extra EU) UPSO 15-65 130	25-50	1



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07G.04.DN20

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 20 - 3 point actuator - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**


Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

Power consumption: **4 VA**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	V	Running time [s]	Nr. poles	Pump	Cable [m]	
07G 020 04X	G 1 M - (G 1 M+G 3/4 F)	4	230	120	3	⊗ WITHOUT PUMP	1,5	1
07G 020 04P	G 1 M - (G 1 M+G 3/4 F)	4	230	120	3	wilo Para 15-130/7-50/SC-9	1,5	1
07G 020 04L	G 1 M - (G 1 M+G 3/4 F)	4	230	120	3	GRUNDFOS UPM3 AUTO 15-70 130	1,5	1
07G 020 04F	G 1 M - (G 1 M+G 3/4 F)	4	230	120	3	GRUNDFOS (Extra EU) UPSO 15-65 130	1,5	1



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DISTRIBUTION AND REGULATING GROUPS DN 20

07G.DN20


Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	
07G 020 00X	G 1 M - (G 1 M+G 3/4 F)	4	WITHOUT PUMP	1
07G 020 00P	G 1 M - (G 1 M+G 3/4 F)	4	wilo Para 15-130/7-50/SC-9	1
07G 020 00L	G 1 M - (G 1 M+G 3/4 F)	4	GRUNDFOS UPM3 AUTO 15-70 130	1
07G 020 00F	G 1 M - (G 1 M+G 3/4 F)	4	GRUNDFOS (Extra EU) UPSO 15-65 130	1



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P72.DN20


Dual distribution manifold with thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

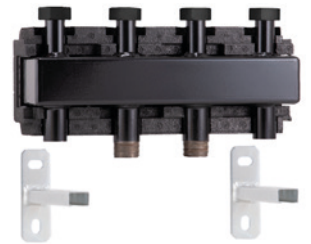
Max working temperature: **100 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Material: **steel**

Code	Size	m ³ /h	Nr. of zones	
P72 025 002	G 1 M - G 1 RN	3	2	1
P72 025 003	G 1 M - G 1 RN	3	3	1



P74.DN20

Distribution manifold with integrated hydraulic separator and thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

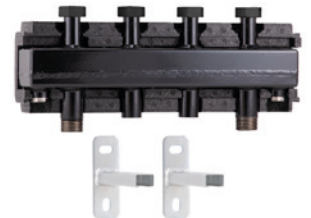
Max working temperature: **110 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Material: **steel**

Code	Size	m ³ /h	Nr. of zones	
P74 025 002	G 1 M - G 1 RN	3	2	1
P74 025 003	G 1 M - G 1 RN	3	3	1



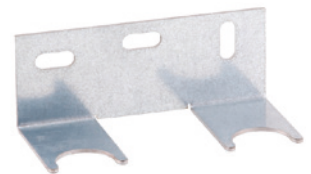
42D.DN20

Bracket for wall mounting of the distribution and regulating group, with screws and anchors

Hole centre distance: **45 mm**

Hole diameter: **8 mm**

Code		
42D 020 Z00 I	1	25



M03.3

Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

Power consumption: **4 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]		
M03 010 1DA B	230	120	3	1,5	1	16

P27T2

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5–95 °C. Complete with blocking screw, mixing valve adaptor, anti-rotation pin, Pt 1000 probe (1,6 m cable), contact probe holder, integrated Shuko electrical plug (1,9 m cable).

Temperature adjustment range: **5–95 °C**

Torque: **6 N·m**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **1,5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]		
P27 230 010 T2	230	120	2	1,9	1	10

M04

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0–10 V/4–20 mA**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]		
M04 010 3MA B	24	60 - 90 - 120	4	1,95	1	10

29A

Spare pump Wilo Para with high efficiency (EEI<0,20). With 1 m cable

Max head: **7,7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



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Code	Size	Pump	Cable [m]
29A 025 070 BK	G 1 M	Para 15-130/7-50/SC-9	1

25AK.DN20

Spare pump Grundfos UPM3 AUTO 15-70 130 with high efficiency without autoadapt (EEI<0,20). Complete with 3 pole cable.

Max head: **7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



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Code	Size	Nr. poles	Cable [m]
25A 025 070 BK	G 1 M	3	1

01A.25

Spare pump Grundfos UPSO 15-65 with 3 constant speeds (Extra EU)

Max head: **6,5 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



Code	Size
01A 025 065 B	G 1 M

RELATED PRODUCTS

Our wide range of distribution and regulating groups is suitable for every need.

DN 20



DN 25



DN 32



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