



Set-point adjustment unit Series 249KVD



Variable-speed circulator
ENERGY EFFICIENCY CLASS A

The function of the **Te-sa Art 249KVD-06-60** setpoint adjustment unit is to distribute the heat transfer fluid to low-temperature radiant panel heating systems.

Compact dimensions and connection via O-ring seal unions make the unit versatile, easy to install and combinable with most commercially available distribution manifolds.

The unit consists of pump connections, circulator, 55°C safety thermostat, thermometer, valve, lockshield valve and thermostatic head.

The unit is supplied fully pre-assembled and is also available with **variable-speed circulator in energy efficiency class A**, combining to the thermal comfort given by the control unit also the saving energy.

Technical specifications

Materials:

Pump connection body:	Brass UNI EN 1982 CB735S
Valve bodies:	Brass UNI EN 12165 CW617N
Seals:	EDPM
Fluid:	Water, glycol solutions
Max. glycol percentage:	30%
Adjustment range:	20÷65 °C
Max. operating pressure:	6 bar
Primary inlet max. temperature:	100 °C
Thermometer scale:	0÷80 °C

Dimensions:

Main connections:	3/4" F - 1" F
Connections to manifold:	1" M
Secondary connection centre distance:	206 mm
Pump centre distance:	130 mm
Pump connections:	1½" with nut

Thermostatic control:

Thermostatic sensor type:	liquid
Rated pressure:	PN 10
Temperature adjustment range:	20-65 °C
Hysteresis:	0,6 °K

Circulator pump:

Body material:	EN-GJL-200
Ambient temperature:	max. 40 °C
Mains power:	1~230 V - 50 Hz
Operating pressure:	max. 10 bar
Fluid temperature range:	da -10 °C fino a 110 °C
Protection grade:	IP44
Threaded connections:	G 1½"

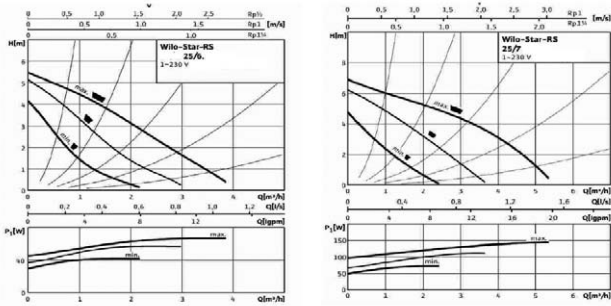
Safety thermostat:

Trigger temperature:	55°C +/-3K
Contact capacity:	10 A / 240V AC
Protection grade:	IP55

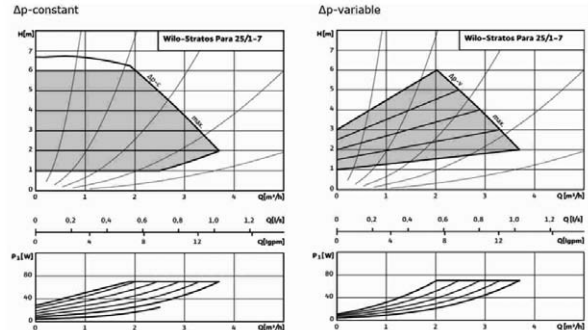
PRODUCTS RANGE:

Art. 249KVD-065-60	Set-point adjustment unit 1"x3/4" with 3 speeds circulator 25/6
Art. 249KVD-065-70	Set-point adjustment unit 1"x3/4" with 3 speeds circulator 25/7
Art. 249KVD-065-SP17	Set-point adjustment unit 1"x3/4" with variable-speed circulator, energy efficiency class A
Art. 249KVD-066-60	Set-point adjustment unit 1"x1" with 3 speeds circulator 25/6
Art. 249KVD-066-70	Set-point adjustment unit 1"x1" with 3 speeds circulator 25/7
Art. 249KVD-066-SP17	Set-point adjustment unit 1"x1" with variable-speed circulator, energy efficiency class A

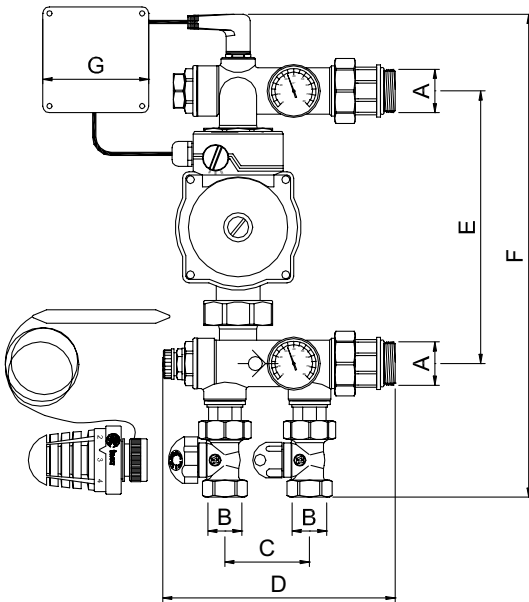
Specifications circulators RS25/6 e Rs25/7



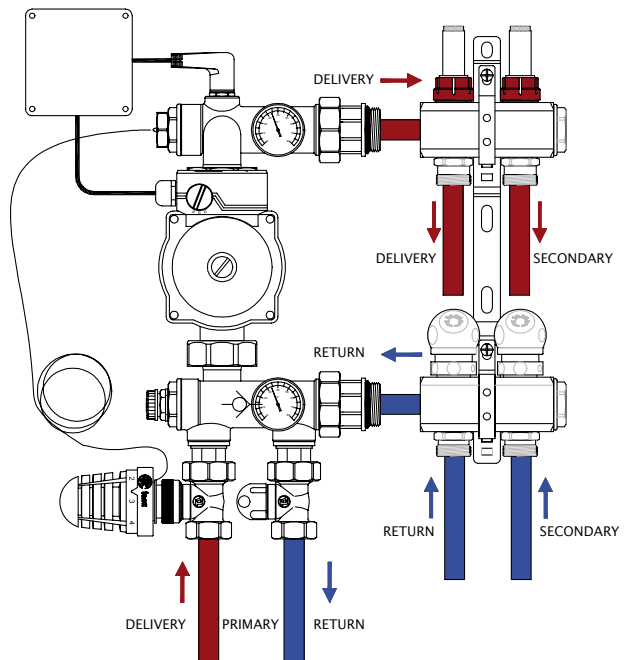
Specifications circulator CLASS A SP25/1-7



Dimensions



Installation diagram



Art.	A	B	C	D	E	F	G
249KVD-065-60	1" M	3/4" F	64	175	206	380	80
249KVD-065-70	1" M	3/4" F	64	175	206	380	80
249KVD-065-SP17	1" M	3/4" F	64	175	206	380	80
249KVD-066-60	1" M	1" F	64	175	206	380	80
249KVD-066-70	1" M	1" F	64	175	206	380	80
249KVD-066-SP17	1" M	1" F	64	175	206	380	80

Electric wiring

The unit is supplied pre-wired except for the power supply and ambient temperature thermostat control which are connected on-site.

Electrical power supply: 230V 50Hz.

Terminal 1: earth
Terminal 2: neutral
Terminal 3: live
Terminals 5 e 6: ambient thermostat

