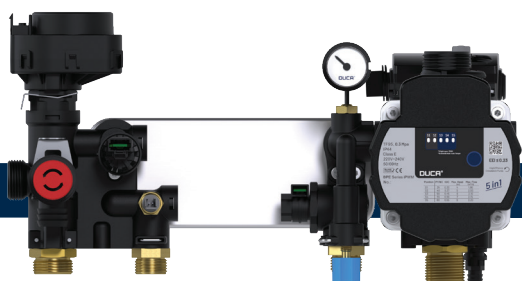




DUCA OEM

- 1** 3 Way Valve On-Off Motor
- 2** Flow Restrictor
- 3** Outlet Group
- 4** Filling Tap
- 5** DhW Immersion Sensor
- 6** Pressure Sensor
- 7** Circulation Pump
- 8** Manometer
- 9** Inlet Group
- 10** Safety Valve
- 11** PHE
- 12** Nippel
- 13** Flow Control



Return Group

DUCA®

Medium:	Heating water, water, air
Measuring range:	0 ... 450 kPa / 4,5 bar / 65 psi
Burst pressure :	> 0,9 MPa / 9 bar / 130 psi
Characteristic / Tolerance* at Vcc=5,00 V DC	
> Upper tolerance limit	Uout [V]= 0,58 [V/bar] x applied pressure [bar] + 1,23 [V]
> Ideal characteristic	Uout [V]= 0,55 [V/bar] x applied pressure [bar] + 1,125 [V]
> Lower tolerance limit	Uout [V]= 0,52 [V/bar] x applied pressure [bar] + 1,02 [V]
The tolerance value includes a temperature influence of 0.01 % FS/K for the medium temperature	
> Material housing	Grivory (glass fibre reinforced)
> Material membrane	EPDM + fabric reinforcement Certified for drinking-water / KTW, W270, FDA on request
Medium temperatur (water)	+2 °C...+90 °C (max. 120 °C for 10 minutes above lifetime)
Ambient temperature	-10 °C +70 °C
Storage temperature	-40 °C ... +70 °C
Supply voltage	5 V DC ± 0.25 V (ratiometric)
Maximum power consumption	< 14 mA (12 mA typ)
Output signal (2066.2102)	Proportional analog voltage
at 0 bar/ at 4,5 bar	> 1,125 V / > 3,6 V
Terminal	Rast 2.5; 3-pole, 4-pole

Pressure Sensor

8

3 Way Valve On-Off Motor

1
Voltage 220V
Maximum Force ~50Hz
100N
Travel 10 mm
Ambient
Temperature 70°C

PHE

Design Pressure: 1.0Mpa or 2.0Mpa
Test Pressure: 2.0MPa or 3.0MPa
Material: SUS304
11
Brazed Material %99.9 copper
Design Warm: -195°C - +225°C
Single Plate Area: 0.012m^2

Outlet Group

PA6.6 %30GF

3

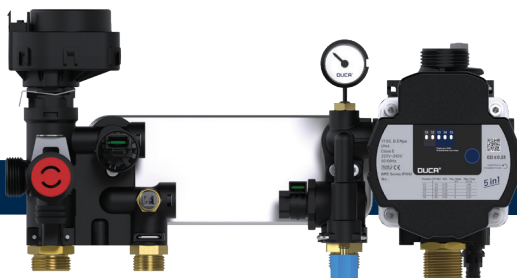
Safety Valve

10
3 Bar
Quick Connection

5

Dhw Immersion Sensor

10K 3435
Response Time 0.4 sec.
Brass



Inlet Group



Manometer 8 0-4bar

Flow Group 9 PA6.6 %30GF

Flow rate diagram

