



**Pre-dimensioned
and space-saving**

**Only one article number
is required!**

**Always correct regulation
regardless of system pressure**

SHUNTOMATIC®

Standardized shunt units for cooling or heating

TTM Shuntomatic® is a pre-dimensioned plug-and-play shunt unit for heating or cooling systems. TTM Shuntomatic® is equipped with a pressure-independent control valve (PICV), which always provides the correct control, even if the system pressure changes.

Advantages:

- Pre-dimensioned
- Easy to select via the ordering guide
- Dynamic control valve 100% valve authority
- Complete with a pump, control valve and actuator
- Few varieties, easy to select correct shunt unit
- One article number
- Each shunt unit can be selected with or without communication pump
- Rotatable design
- Available in stock, short time delivery

Design:

- 5 sizes for heating with heat insulation
- 5 sizes for cooling and cooling insulation
- Correctly rated pump
- Dynamic control valve (PICV)
- Actuator 24V 0-10 V control signal
- Selectable pump prepared for start, stop and alarm

TTM Shuntomatic® is environmentally assessed.

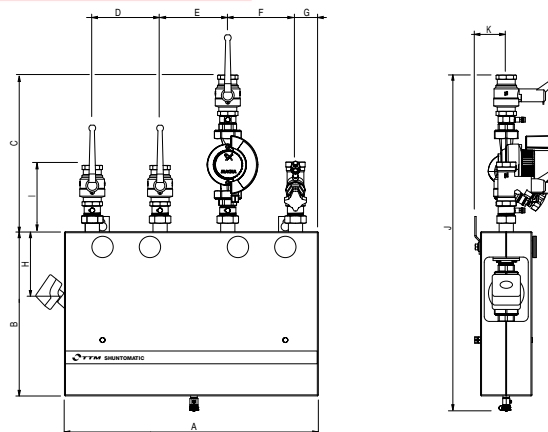


Ordering guide on next page ▶

SHUNTOMATIC®
All in one shunt

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| Model | 15 LF | 15 HF | 25 | 32 | 50 |
|--------------|------------|------------|------------|------------|------------|
| A | 480 | 480 | 480 | 750 | 845 |
| B | 340 | 340 | 340 | 485 | 610 |
| C | 180 + pump | 180 + pump | 180 + pump | 285 + pump | 305 + pump |
| D | 120 | 120 | 120 | 200 | 225 |
| E | 120 | 120 | 120 | 200 | 240 |
| F | 120 | 120 | 120 | 200 | 225 |
| G | 60 | 60 | 60 | 75 | 85 |
| H | 100 | 100 | 100 | 182 | 210 |
| I | <180 | <180 | <180 | <200 | <245 |
| J | 580 + pump | 580 + pump | 580 + pump | 800 + pump | 980 + pump |
| K | 93 | 93 | 93 | 93 | 112 |
| Weight appr. | 17 | 17 | 17 | 50 | 60 |

Max. pressure: 1.0 MPa

Temperature range: +5 - +110 °C

Dimensions refer to the standard version. Some variations may occur with other equipment. All dimensions are in mm.

| Shunt unit Heating | Connection internal (mm) | Flow range | | Min. avail. pressure (kPa) | | Max. load pressure drop sec (kPa) | | Max. effect (kW) at ΔT 30°C | Pump option (kW) | Power (W) | Rated current (A) | Voltage (V) | Art. no. | | |
|--------------------|--------------------------|------------|-------|----------------------------|------|-----------------------------------|------|-----------------------------|------------------|-----------|-------------------|-------------|----------|-------|--------|
| | | l/s | l/h | min | max | min | max | | | | | | | min | max |
| Shuntomatic® V | DN15LF | 0.008 | 0.056 | 30 | 200 | 15.0 | 16.0 | 52 | 45 | 1.0 - 7.0 | Standard | 40 | 0.4 | 1x230 | 516699 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516705 |
| Shuntomatic® V | DN15HF | 0.028 | 0.160 | 100 | 575 | 15.0 | 19.5 | 52 | 43 | 3.5 - 20 | Standard | 40 | 0.4 | 1x230 | 517023 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516712 |
| Shuntomatic® V | DN25 | 0.078 | 0.347 | 280 | 1250 | 15.5 | 25.5 | 52 | 36 | 10 - 44 | Standard | 40 | 0.4 | 1x230 | 516729 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516736 |
| Shuntomatic® V | DN32 | 0.222 | 0.986 | 800 | 3550 | 18.5 | 29.5 | 68 | 55 | 28 - 124 | Standard | 120 | 1 | 1x230 | 516941 |
| | | | | | | | | | | | Communication* | 120 | 1 | 1x230 | 516958 |
| Shuntomatic® V | DN50 | 0.625 | 2.639 | 2250 | 9500 | 10.5 | 29.5 | 110 | 42 | 78 - 331 | Standard | 305 | 1.3 | 1x230 | 516965 |
| | | | | | | | | | | | Communication* | 305 | 1.3 | 1x230 | 516972 |

| Shunt unit Cooling | Connection internal (mm) | Flow range | | Min. avail. pressure (kPa) | | Max. load pressure drop sec (kPa) | | Max. effect (kW) at ΔT 5°C | Pump option (kW) | Power (W) | Rated current (A) | Voltage (V) | Art. no. | | |
|--------------------|--------------------------|------------|-------|----------------------------|------|-----------------------------------|------|----------------------------|------------------|-----------|-------------------|-------------|----------|-------|--------|
| | | l/s | l/h | min | max | min | max | | | | | | | min | max |
| Shuntomatic® K | DN15LF | 0.008 | 0.056 | 30 | 200 | 15.0 | 16.0 | 52 | 45 | 0.2 - 1.2 | Standard | 40 | 0.4 | 1x230 | 516743 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516750 |
| Shuntomatic® K | DN15HF | 0.028 | 0.160 | 100 | 575 | 15.0 | 19.5 | 52 | 43 | 0.6 - 3.3 | Standard | 40 | 0.4 | 1x230 | 516767 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516774 |
| Shuntomatic® K | DN25 | 0.078 | 0.347 | 280 | 1250 | 15.5 | 25.5 | 52 | 35 | 1.6 - 7.3 | Standard | 40 | 0.4 | 1x230 | 516781 |
| | | | | | | | | | | | Communication* | 100 | 1 | 1x230 | 516798 |
| Shuntomatic® K | DN32 | 0.222 | 0.986 | 800 | 3550 | 18.5 | 29.5 | 68 | 54 | 4.6 - 21 | Standard | 120 | 1 | 1x230 | 516989 |
| | | | | | | | | | | | Communication* | 120 | 1 | 1x230 | 516996 |
| Shuntomatic® K | DN50 | 0.625 | 2.639 | 2250 | 9500 | 10.5 | 29.5 | 110 | 41 | 13 - 55 | Standard | 305 | 1.3 | 1x230 | 517009 |
| | | | | | | | | | | | Communication* | 305 | 1.3 | 1x230 | 517016 |

TTM Shuntomatic® is dimensioned for fresh water.

*) Prepared for start, stop and alarm. DN32 and DN50 also have operation indication.

| Option | Art. no. |
|-------------|----------|
| Floor stand | 506195 |