

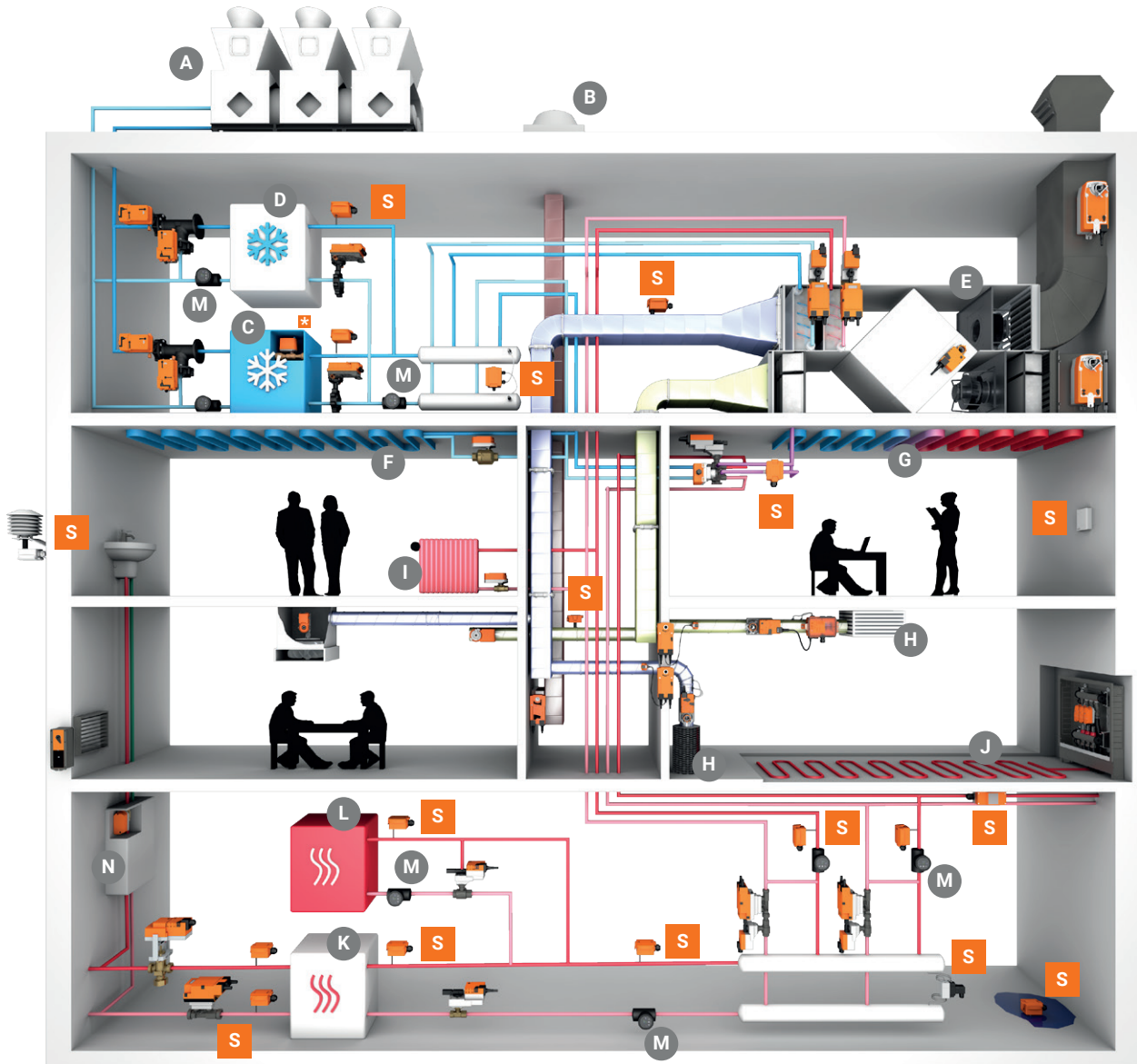


**Products and Prices
Sensors / Meters
Saudi Arabia and
Bahrain
2026**



**Prices in SAR
Valid as of 1 January 2026**

Everything under one roof



Legend

Overview of Belimo products

S Sensors and meters

Overview of third-party products

A Dry cooler, cooling

B Smoke control fan

C Chiller

D Heat exchanger, free cooling

E Air handling unit

F Chilled ceiling

G Heated/chilled ceiling

H Air diffuser

I Radiator

J Floor heating

K District heating transfer station

L Heat generator

M Circulation pump

N Fresh water station

The choice is yours: catalogue or online

Ordering from the catalogue

You can choose from various sensors and meters in this product catalogue.

With your order number, you can then simply contact your Belimo representative. They will make sure that you receive the solution for your needs that best meets your requirements for economy, energy efficiency and convenience.

For your region, please contact directly:

BELIMO Saudi Arabia

3742 Al Thumamah Road
Al Yasmeen District
Riyadh 13322, Saudi Arabia

Phone: +966 11 277 6333

E-mail: info@belimo.com.sa

Ordering online

All Belimo products and systems can of course also be ordered online. After a brief registration, you can start adding items to your personal shopping cart. You can order your chosen products directly from there.

www.belimo.com.sa



Selection
sensors/meters

5-year warranty

To us, innovation and stability are not a contradiction but characteristics of Belimo. Many companies promise you reliability – we give you a 5-year warranty.

On site around the globe

We are where you are. Competent Belimo representatives are available to help you on all five continents at all times. We speak your language and understand you.

Complete product range

You will find it: the product for your application – the solution to your problem. Whether for air, water or as a retrofit, for fire protection, smoke control or volumetric flow control.

Tested quality

Precision, reliability and a fair partnership – that is what “Swiss quality” stands for. We take this claim seriously and diligently check every actuator for you down to the last detail before delivery.

Short delivery times

Fast is not always fast enough. For this reason, we promise that you will receive your delivery on time, on the agreed date and at the right location.

Comprehensive support

Design perfect solutions with very good products. We assist you with knowledgeable consultants, clever service tools and complete documentation that precisely answers all your questions.

Sensors and thermal energy meters from Belimo



Our sensors offer the highest in quality and reliability, are simple to install and are seamlessly compatible with all conventional building automation systems. The product range covers the measured values temperature, humidity, pressure, CO₂, VOC and flow rate in pipes, ducts, outdoor and room solutions. The product line is excellently complemented by the new thermal energy meters, with or without MID approval depending on the application. First-class service and support are included as a matter of course.

Seamless integration and compatibility

Sensors and meters

The perfect complement to actuators and valves

Air	Duct sensors	Differential pressure sensors	6
		Differential pressure switches	7
		Temperature average and humidity	8
		Air quality, humidity, temperature	9
		Frost monitors	10
	Outdoor sensors	Outdoor sensors humidity / temperature	11
	Room units	Room sensors / Room operating units	12
Air and water	Duct and pipe sensors	Duct and immersion sensors temperature	14
		Cable sensors temperature	17
		Safety temperature limiter STB / Temperature monitor TW	18
Water	Pipe sensors	Contact sensors temperature / condensation	19
		Pressure sensors	20
		Flow sensors with glycol compensation	21
Thermal energy meters	MID approval	Thermal energy meters according to EN 1434 with MID approval	22
		Belimo Energy Valve™ according to EN 1434 with MID approval	23
	Standard	Thermal energy meters with glycol compensation	24
Mechanical accessories	Adapters and pipe connector kits, connection adapters		25
	Cable glands, fixing straps, and thermal contact fluid		26
	Mounting flanges, mounting accessories		27
	Thermowells and compression fittings, thermowell kits		28
	Accessories for differential pressure sensors air, accessories for humidity sensors		29
	Insulation shells, MID accessory kits		30
	Open/close valves and pipe connectors, thermowells		31
	T-pieces, thermal energy meter accessories		32
Electrical accessories	Cables, M-Bus converters, sensor modules as spare parts		33
	Service tools, end-user tools		34
	Converters		35

S/M



**Belimo product innovations:
Learn more here.**

The latest solutions for your needs.



Differential pressure switches

Output signal SPDT switch



01APS-..

For monitoring the overpressure, negative pressure or differential pressure of air or other non-flammable and non-aggressive gases. With setpoint adjustment and automatic reset function.

Degree of protection IEC/EN IP54

Housing Plastic, with removable cover



Measured values	Measuring ranges					Sensor type	SAR
	Differential pressure						
Output signals	20...300 Pa	50...500 Pa	200...1000 Pa	500...2500 Pa	1000...5000 Pa		
SPDT switch	■					01APS-10R	192.00
	■					01APS-10R.1 ¹⁾	143.00
		■				01APS-10U	192.00
		■				01APS-10U.1 ¹⁾	143.00
			■			01APS-101	192.00
			■			01APS-101.1 ¹⁾	143.00
				■		01APS-104	192.00
				■		01APS-104.1 ¹⁾	143.00
					■	01APS-105	192.00

¹⁾ Multipack at 45 pieces, price per piece. (Mounting accessory A-22AP-A05.1 must be ordered separately.)

Temperature average and humidity

Output signals active, passive, SPDT switch, Modbus RTU, BACnet MS/TP

For measuring humidity and temperature averages in ducts and air handling units.

Power supply	AC/DC 24 V (active sensors)
Degree of protection IEC/EN	IP65 / NEMA 4X IP55 (duct humidistat 01DH-..)
Housing	Plastic



Measured values				Measuring ranges									
Output signals				Temperature			Humidity						
		Multirange	Probe length	-35...50°C	-40...80°C	-35...70°C	Relative: 0...100% RH	Absolute: 0...80 g/m ³	Dew point: -20...80°C	Enthalpy: 0...85 kJ/kg	Adjustment range 15...95% RH	SAR	
Temperature (average value)													
Passive	Pt1000		3 m			■						01MT-1B4	1115.00
			6 m			■						01MT-1B5	1195.00
			15 m			■						01MT-1B8	2875.00
Active	0...5 V / 0...10 V	■	3 m									22MT-124	1302.00
		■	6 m	■								22MT-125	1369.00
		■	15 m	■								22MT-128	3066.00
		■	3 m	■								22MT-144	1302.00
		■	6 m	■								22MT-145	1369.00
Humidity / Temperature													
Active	0...5 V / 0...10 V	■	140 mm		■		□	■	■	■		22DTH-11M	1262.00
		■	270 mm		■		□	■	■	■		22DTH-11Q	1355.00
	4...20 mA	■	140 mm		■		□	■	■	■		22DTH-13M	1262.00
		■	270 mm		■		□	■	■	■		22DTH-13Q	1355.00
	Modbus RTU		140 mm		■		□	□	□	□		22DTH-15M	1595.00
			270 mm		■		□	□	□	□		22DTH-15Q	1662.00
BACnet MS/TP		140 mm		■		□	□	□	□		22DTH-16M	1595.00	
Humidity (duct humidistat)													
SPDT switch			150 mm								■	01DH-10N	1382.00

□ Factory setting (measuring ranges are adjustable on the sensor).

Further settings and live data can be selected and read out via Bluetooth with the accessory A-22G-A05 (22DTH-15.., 22DTH-16M).

Air quality, humidity, temperature

Output signals active, Modbus RTU, BACnet MS/TP

For measuring air quality (CO₂, humidity, temperature and VOC) in ducts and AHUs.

Power supply	AC/DC 24 V
Degree of protection IEC/EN	IP65 / NEMA 4X
Housing	Plastic, with snap-on cover



22DC..
22DT..



Measured values		Measuring ranges										SAR
Output signals		Temperature	Humidity				CO ₂	VOC		Sensor type		
LCD display	Probe length	0...50°C	Relative: 0...100% RH	Absolute: 0...80 g/m ³	Dew point: -20...80°C	Enthalpy: 0...85 kJ/kg	0...2000 ppm	0...5000 ppm	0...100%		Sensor type	
		CO₂										
Active	0...5 V / 0...10 V	150 mm	■	■	■	■	□	■ ¹⁾	■	22DC-11	1818.00	
	0...5 V / 0...10 V, 4...20 mA		□	■ ¹⁾	■	■	□	■ ¹⁾	■	22DC-13	1880.00	
CO₂ / Temperature												
Active	0...5 V / 0...10 V	180 mm	■	■	■	■	□	■ ¹⁾	■	22DTC-11	2284.00	
	0...5 V / 0...10 V, 4...20 mA		■	■	■	■	□	■ ¹⁾	■	22DTC-13	2333.00	
CO₂ / Humidity / Temperature												
Active	0...5 V / 0...10 V	180 mm	■	■	■	■	□	■ ¹⁾	■	22DTM-11	2866.00	
	Modbus RTU		■	■	■	■	□	■ ¹⁾	■	22DTM-1106	3280.00	
	BACnet MS/TP		□	□	□	□	□	■ ¹⁾	■	22DTM-15	2982.00	
			□	□	□	□	□	■ ¹⁾	■	22DTM-16	2982.00	
CO₂ / VOC												
Active	0...5 V / 0...10 V	150 mm	■	■	■	■	□	■ ¹⁾	■	22DCV-11	2964.00	
CO₂ / VOC / Temperature												
Active	0...5 V / 0...10 V	180 mm	■	■	■	■	□	■ ¹⁾	■	22DCM-11	3138.00	
CO₂ / VOC / Mix CO₂/VOC / Temperature												
Active	0...5 V / 0...10 V	180 mm	■	■	■	■	□	■ ¹⁾	■	22DCK-11	3551.00	

□ Factory setting (measuring ranges are adjustable on the sensor).

Further settings and live data can be selected and read out via Bluetooth with the accessory A-22G-A05 (22DC-13, 22DTC.., 22DTM.., 22DCV-11, 22DCM-11, 22DCK-11).

¹⁾ Usable only via bus communication or with Bluetooth dongle (A-22G-A05) and Belimo Duct Sensor Assistant App.

Frost monitors

Output signals active, SPDT switch

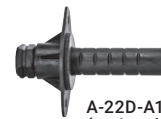
Reset	Manual or automatic
Startup function	With types 20DTS-..
Power supply	AC 24 V (types 20DTS-..)



01ATS-..



20DTS-..

A-22D-A12
(optional accessory for 20DTS-..)

Measured values

Output signals

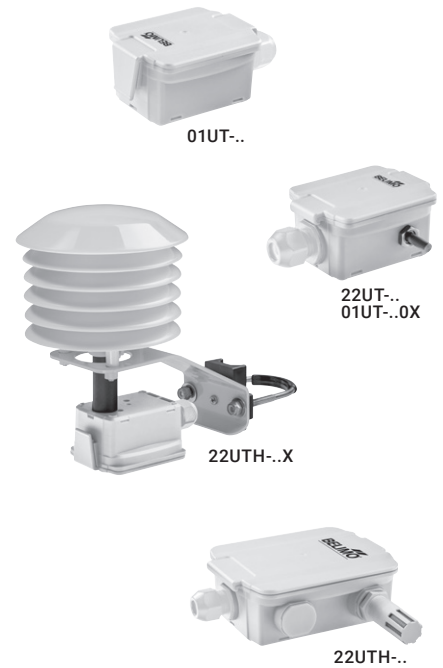
		Capillary tube length	Automatic reset	Manual reset	LED display, red	Adjustment range -10...15°C	Adjustment range 1...10°C	Sensor type	SAR
Temperature (frost monitor)									
		3 m	■			■		01ATS-1040B	604.00
		6 m	■			■		01ATS-1050B	658.00
SPDT switch		3 m		■		■		01ATS-104XC	662.00
Passive		6 m		■		■		01ATS-105XC	715.00
Active	0...10 V	2 m	■	■	■		■	20DTS-1P3	1982.00
		6 m	■	■	■		■	20DTS-1P5	2031.00

Outdoor sensors humidity / temperature

Output signals active, passive, Modbus RTU, BACnet MS/TP

For measuring temperature or relative humidity and temperature in the outdoor area as well as in demanding indoor applications that require high IP protection – e.g., in cold stores and greenhouses or production halls and warehouses.

Power supply AC/DC 24 V (active sensors)
Degree of protection IEC/EN IP65 / NEMA 4X
Housing Plastic, with snap-on cover



	Measured values	Measuring ranges											SAR									
		Temperature										Humidity										
	Output signals	External sensor probe (short response time)	Multirange	-50...50°C	-40...60°C	-35...50°C	-35...90°C	-20...80°C	-15...35°C	-10...120°C	0...50°C	0...100°C	0...160°C	0...250°C	Relative: 0...100% RH	Absolute: 0...50 g/m ³	Absolute: 0...80 g/m ³	Dew point 0...50°C	Dew point: -20...80°C	Enthalpy: 0...85 kJ/kg	Sensor type	
Temperature																						
Passive	Pt100	■				■															01UT-1A	176.00
																					01UT-1A0X	290.00
	Pt1000	■				■															01UT-1B	172.00
																					01UT-1B0X	290.00
	Ni1000					■															01UT-1C	172.00
	Ni1000TK5000					■															01UT-1D	198.00
	NTC1k8					■															01UT-1F	156.00
	NTC10k (10k2)					■															01UT-1L	152.00
NTC10k Carel					■															01UT-1N	162.00	
NTC20k					■															01UT-1Q	158.00	
Active	0...5 V / 0...10 V	■	■	□			■	■	■	■	■	■	■	■	■	■	■	■	■	■	22UT-12	609.00
	4...20 mA	■	■	□			■	■	■	■	■	■	■	■	■	■	■	■	■	■	22UT-14	609.00
Humidity / Temperature																						
Active	0...5 V / 0...10 V		■	■		□	■	■						□	■	■	■	■	■	■	22UTH-11	1564.00
	4...20 mA		■	■		□	■	■						□	■	■	■	■	■	■	22UTH-13	1564.00
	0...5 V / 0...10 V, NTC10k Pre		■	■		□	■	■						□	■	■	■	■	■	■	22UTH-110M	1804.00
	0...5 V / 0...10 V		■	■		□	■	■						□	■	■	■	■	■	■	22UTH-110X	2129.00
	4...20 mA		■	■		□	■	■						□	■	■	■	■	■	■	22UTH-130X	2129.00
	Modbus RTU					□									□	□		□	□	□	22UTH-150X	2373.00
	BACnet MS/TP					□									□	□		□	□	□	22UTH-160X	2395.00

□ Factory setting (measuring ranges are adjustable on the sensor or via bus system).

Further settings and live data can be selected and read out via Bluetooth with the accessory A-22G-A05 (22UTH-150X, 22UTH-160X).

Room sensors / Room operating units

Output signal passive

For temperature measurement and setting the room temperature setpoint.
These room units can be seamlessly connected to existing controllers.

Ambient conditions 0...50°C



01RT-1..



P-01RT-1..



	Output signals	Setpoint signal adjustable (resistance Ω)	Measuring range ³⁾		SAR
			Temperature	Sensor type	
			0...50°C		
Passive room sensors and room operating units					
Passive	Pt1000		■	01RT-1B-0	137.00
	Ni1000		■	01RT-1C-0	137.00
	Ni1000TK5000		■	01RT-1D-0	137.00
	NTC1k8		■	01RT-1F-0	121.00
	NTC10k (10k2)		■	01RT-1L-0	114.00
	NTC10k Carel		■	01RT-1N-0	114.00
	NTC10k Pre (10k3)		■	01RT-1M-0	114.00
	NTC20k		■	01RT-1Q-0	121.00
	Pt1000	0.7...1.3 kΩ	■	P-01RT-1B-0	195.00
	NTC1k8		■	P-01RT-1F-0	188.00
	NTC10k (10k2)		■	P-01RT-1L-0	181.00
	NTC10k Pre (10k3)	2.5...8.5 kΩ	■	P-01RT-1M-0	181.00

Room sensors / Room operating units

Output signal active, MP-Bus, Modbus RTU, BACnet MS/TP

For measuring and adjusting the room climate. The active Belimo room operating units P-22RT..-1..D.. are equipped with a razor-sharp ePaper touch display for maximum ease of operation and optimum legibility. In public areas, the displayless room units 22RT..-18-1 (with analogue outputs) and P-22RT..-1U00A-2 (with Modbus RTU, BACnet MS/TP, and MP-Bus) offer an optimal and discreet solution. Thanks to the Belimo Display App, they also provide the full functionality of a room operating unit with high ease of operation and complete access control.

Configuration	Unpowered via NFC
Diagnostics function	Simply via NFC
Ambient conditions	0...50°C, max. 95% RH, non-condensing
Analogue output	0...5 V, 0...10 V, 2...10 V, 4...20 mA (configurable with Belimo Assistant 2)
Setpoint adjustment	Temperature and ventilation control elements



22RT..-18-1
P-22RT..-1U00A-2



22RT..-18-1B
P-22RT..-1U00A-2B



P-22RT..-1800D-1
P-22RT..-1U00D-2



	Output signals	Housing colour White (RAL 9003)	Housing colour Black (RAL 9005)	Analogue output	Input signal	Measuring ranges ¹⁾			Sensor type	SAR	
						Temperature 0...50°C	Humidity 0...100% RH Dew point: -50...50°C	CO ₂ 0...2000 ppm			
Active room sensors and room operating units	0...5 V	■		3		■			22RT-18-1	462.00	
			■		3		■		22RT-18-1B	– ⁴⁾	
	0...10 V	■		3		■		22RTH-18-1	689.00		
	2...10 V		■		3		■	22RTH-18-1B	– ⁴⁾		
	4...20 mA		■		3		■	22RTM-18-1	1453.00		
	MP-Bus		■		3		■	22RTM-18-1B	– ⁴⁾		
	Display app ²⁾	Modbus RTU	■			1x DI ³⁾	■	■		P-22RTH-1U00A-2	1067.00
				■			■	■		P-22RTH-1U00A-2B	1133.00
		BACnet MS/TP	■				■	■		P-22RTM-1U00A-2	1742.00
		MP-Bus		■			■	■		P-22RTM-1U00A-2B	1809.00
ePaper touch display	0...5 V	■		3		■			P-22RT-1800D-1	1329.00	
	0...10 V		■		3		■		P-22RTH-1800D-1	1524.00	
	2...10 V	■		3		■			P-22RTM-1800D-1	2289.00	
	4...20 mA		■		3		■		P-22RTM-1800D-1	2289.00	
	MP-Bus	■				■	■		P-22RTH-1U00D-2	1804.00	
	Modbus RTU	■				■	■		P-22RTM-1U00D-2	2524.00	
BACnet MS/TP		■			1x DI ³⁾						
MP-Bus	■					■	■				

¹⁾ Maximum measuring range; infinitely adjustable with Belimo Assistant 2.

²⁾ For the display of current room values and the adjustment of setpoints via smartphone. More information on [page 34](#).

³⁾ Digital input.

⁴⁾ Price on request.

Duct and immersion sensors temperature

Output signal passive

01DT-..., 22DT-..

When used as an immersion sensor for pipe installations (liquid lines), a thermowell is recommended as an optional accessory.

Degree of protection IEC/EN IP65 / NEMA 4X

Housing Plastic, with snap-on cover



A-22P-...
(optional accessory
for 01DT-..., 22DT-..)



	Measured values	Output signals	Probe length	Measuring ranges		Sensor type	SAR	
				Temperature				
				-50...150°C	-50...160°C			
Temperature (duct, pipe)								
Passive	Ni1000		50 mm		■	01DT-1CH	235.00	
			100 mm		■	01DT-1CL	235.00	
			150 mm		■	01DT-1CN	248.00	
			200 mm		■	01DT-1CP	248.00	
			300 mm		■	01DT-1CR	266.00	
			450 mm		■	01DT-1CT	284.00	
	Ni1000TK5000			50 mm		■	01DT-1DH	266.00
				100 mm		■	01DT-1DL	266.00
				150 mm		■	01DT-1DN	275.00
				200 mm		■	01DT-1DP	275.00
				300 mm		■	01DT-1DR	297.00
	NTC10k (10k2)			450 mm		■	01DT-1DT	315.00
				50 mm	■		01DT-1LH	221.00
				100 mm	■		01DT-1LL	221.00
				150 mm	■		01DT-1LN	235.00
				200 mm	■		01DT-1LP	235.00
	NTC10k Carel			300 mm	■		01DT-1LR	248.00
				450 mm	■		01DT-1LT	266.00
				50 mm	■		01DT-1NH	240.00
				100 mm	■		01DT-1NL	240.00
				150 mm	■		01DT-1NN	252.00
	NTC10k Pre (10k3)			200 mm	■		01DT-1NP	252.00
				300 mm	■		01DT-1NR	270.00
				50 mm	■		01DT-1MH	231.00
			100 mm	■		01DT-1ML	231.00	
			150 mm	■		01DT-1MN	244.00	
NTC1k8			200 mm	■		01DT-1MP	244.00	
			300 mm	■		01DT-1MR	261.00	
			100 mm	■		01DT-1FL	242.00	
			150 mm	■		01DT-1FN	255.00	
			200 mm	■		01DT-1FP	255.00	
		300 mm	■		01DT-1FR	271.00		
		450 mm	■		01DT-1FT	284.00		

Duct and immersion sensors temperature

Output signals passive and active

01DT-.., 22DT-.. When used as an immersion sensor for pipe installations (liquid lines), a thermowell is recommended as an optional accessory.

Degree of protection IEC/EN IP65 / NEMA 4X

Housing Plastic, with snap-on cover



01DT-..
22DT-..



A-22P-..
(optional accessory
for 01DT-.., 22DT-..)



	Measured values	Output signals	Multirange	Probe length	Measuring ranges		Sensor type	SAR
					-50...160°C	-50...150°C		
Temperature (duct, pipe)								
Passive	NTC20k			50 mm		■	01DT-1QH	242.00
				100 mm		■	01DT-1QL	242.00
				150 mm		■	01DT-1QN	255.00
				200 mm		■	01DT-1QP	255.00
				300 mm		■	01DT-1QR	271.00
				450 mm		■	01DT-1QT	284.00
		NTC5k		200 mm		■	01DT-1HP	235.00
				50 mm		■	01DT-1AH	244.00
		Pt100		100 mm		■	01DT-1AL	244.00
				150 mm		■	01DT-1AN	252.00
			200 mm		■	01DT-1AP	252.00	
			300 mm		■	01DT-1AR	270.00	
			450 mm		■	01DT-1AT	288.00	
	Pt1000		50 mm		■	01DT-1BH	235.00	
			100 mm		■	01DT-1BL	235.00	
			150 mm		■	01DT-1BN	248.00	
			200 mm		■	01DT-1BP	248.00	
			300 mm		■	01DT-1BR	266.00	
			450 mm		■	01DT-1BT	284.00	
		Pt1000 Class AA		50 mm		■	01DT-1RH	253.00
			100 mm		■	01DT-1RL	253.00	
			150 mm		■	01DT-1RN	266.00	
			200 mm		■	01DT-1RP	266.00	
Active	0...5 V / 0...10 V		■	300 mm		■	01DT-1RR	284.00
			■	50 mm		■	22DT-12H	538.00
			■	100 mm		■	22DT-12L	538.00
			■	150 mm		■	22DT-12N	556.00
			■	200 mm		■	22DT-12P	556.00
			■	300 mm		■	22DT-12R	573.00
	4...20 mA		■	450 mm		■	22DT-12T	591.00
			■	50 mm		■	22DT-14H	538.00
			■	100 mm		■	22DT-14L	538.00
			■	150 mm		■	22DT-14N	556.00
			■	200 mm		■	22DT-14P	556.00
			■	300 mm		■	22DT-14R	573.00
			■	450 mm		■	22DT-14T	591.00

S/M

Included and optional accessories starting on **page 25**

List prices excl. VAT / 2026 – Subject to alterations in price and technical modifications

Duct and immersion sensors temperature



Output signal passive

01PT-..	For pipe installations with short response time, no additional thermowell required.
Degree of protection IEC/EN	IP65 / NEMA 4X
Housing	Plastic, with snap-on cover

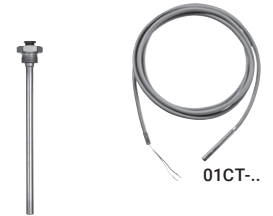


	Measured values	Output signals	Probe length	Measuring ranges		Sensor type	SAR
				Temperature			
				-50...150°C	-50...160°C		
Temperature (pipe)							
Passive	Ni1000TK5000		50 mm		■	01PT-1DH	443.00
			100 mm		■	01PT-1DL	443.00
			200 mm		■	01PT-1DP	471.00
	NTC10k (10k2)		50 mm	■		01PT-1LH	397.00
			100 mm	■		01PT-1LL	397.00
			200 mm	■		01PT-1LP	425.00
	Pt1000		50 mm		■	01PT-1BH	416.00
			100 mm		■	01PT-1BL	421.00
			200 mm		■	01PT-1BP	439.00

Cable sensors temperature

Output signals passive and active

Power supply	AC/DC 24 V (active sensors)
Cable length	2 m
Degree of protection IEC/EN	IP65 / NEMA 4X
Housing	Plastic, with snap-on cover



A-22P-..
(optional accessory)



Measured values		Output signals		Multirange	Probe length	Mounting flange inclusive	Measuring ranges		Sensor type	SAR		
							Temperature					
							-50...160°C	-35...100°C				
Temperature												
Passive	Ni1000				50 mm				■	01CT-1CH	99.00	
					100 mm	■			■	01CT-1CLF	157.00	
					200 mm	■				■	01CT-1CPF	164.00
	Ni1000TK5000				50 mm					■	01CT-1DH	121.00
					100 mm	■				■	01CT-1DLF	182.00
					200 mm	■				■	01CT-1DPF	186.00
	NTC10k (10k2)				50 mm					■	01CT-1LH	82.00
					100 mm	■				■	01CT-1LLF	141.00
					200 mm	■				■	01CT-1LPF	146.00
	NTC1k8				50 mm					■	01CT-1FH	91.00
					50 mm					■	01CT-1QH	91.00
	NTC20k				100 mm	■				■	01CT-1QLF	148.00
					200 mm	■				■	01CT-1QPF	153.00
	Pt100				50 mm					■	01CT-1AH	99.00
					100 mm	■				■	01CT-1ALF	157.00
	Pt1000				200 mm	■				■	01CT-1APF	164.00
				50 mm					■	01CT-1BH	98.00	
				100 mm	■				■	01CT-1BLF	154.00	
Pt1000 Class AA				200 mm	■				■	01CT-1BPF	164.00	
				200 mm					■	01CT-1RH	116.00	
Active	0...5 V / 0...10 V	■		50 mm			■			22CT-12H	538.00	
	4...20 mA	■		50 mm			■			22CT-14H	538.00	

□ Factory setting (measuring ranges are adjustable on the sensor).

Safety temperature limiter STB / Temperature monitor TW

Output signal SPDT switch

Switch contact	1x SPDT, AC 230 V, 16 A
Switching value	Control window in the housing cover
Mounting	Pipe contact, thermowell or wall mounting
Pipe contact mounting	Fixing strap, included
Electrical connection	Spring loaded terminal blocks
Reset	Manual for safety temperature limiter STB Automatic for temperature monitor TW
Capillary fracture protection	For safety temperature limiter STB



Measured values Output signals	Safety temperature limiter STB	Temperature monitor TW	Automatic reset	Manual reset	Capillary tube length	Capillary fracture protection	Application			Setpoint range			Sensor type	SAR
							Heating water	Water vapour	Fire protection thermostat in the duct	30...90°C	50...80°C	70...130°C		
Temperature – STB														
SPDT switch	■			■	1 m	■	■		■				EXT-J-00734645	516.00
	■			■	1 m	■		■			■		EXT-J-00734647	516.00
Temperature – TW														
SPDT switch		■	■		1 m		■			■			01HT-101CA	480.00

Contact sensors temperature / condensation

Output signals active, passive or SPDT switch

For temperature measurement on pipes and curved surfaces (ST-.., HT-.. types)
or for detecting condensation on chilled surfaces (22HH-.. types).

Power supply AC/DC 24 V (active sensors)
Degree of protection IEC/EN IP65 / NEMA 4X
Housing Plastic, with snap-on cover



01ST-..



22HTH-..X

01HT-..
22HT-..

22HH-..



22HL-..



Measured values		Measuring ranges							SAR			
Output signals		Temperature										
		Multirange	Sensor cable 2 m	Sensor cable 7 m	Sensor cable 12 m	LED signalling	-35...70°C	-35...90°C	-35...100°C	-20...60°C	Sensor type	
Temperature												
	Ni1000		■						■		01ST-1C3	115.00
								■			01HT-1C	202.00
	Ni1000TK5000		■						■		01ST-1D3	139.00
								■			01HT-1D	226.00
	NTC10k (10k2)		■						■		01ST-1L3	98.00
								■			01HT-1L	187.00
Passive	NTC1k8		■						■		01ST-1F3	115.00
								■			01HT-1F	202.00
	NTC20k		■						■		01ST-1Q3	115.00
								■			01HT-1Q	188.00
	Pt100		■						■		01ST-1A3	115.00
								■			01HT-1A	202.00
	Pt1000		■						■		01ST-1B3	114.00
								■			01HT-1B	202.00
Active	0...5 V / 0...10 V	■					■			■	22HT-12	560.00
	4...20 mA	■					■			■	22HT-14	560.00
Humidity / Temperature												
Active	0...5 V / 0...10 V	■	■							■	22HTH-110X	1369.00
Condensation												
									■		22HH-10	782.00
SPDT switch			■						■		22HH-100X	893.00
				■					■		22HH-100S-6	1049.00
					■				■		22HH-100S-7	1075.00
Leakage												
SPDT switch								■			22HL-10	782.00

S/M

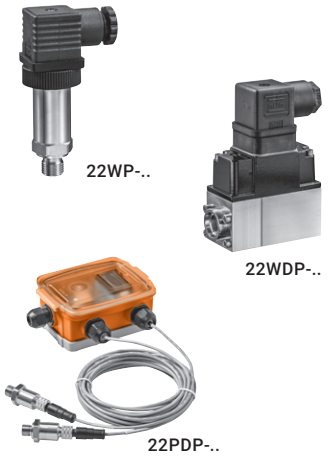
Included and optional accessories starting on **page 25**

List prices excl. VAT / 2026 – Subject to alterations in price and technical modifications

Pressure sensors

Output signal active

Power supply	AC/DC 24 V (types with voltage output) DC 24 V (types with current output)
Degree of protection IEC/EN	22WP-../22WDP-...: IP65 / NEMA 4 22PDP-...: IP65
Housing	22WP-../22WDP-...: metal 22PDP-...: pressure transmitter metal, sensor housing plastic
Cable entry	22WP-...: MVS plug according to DIN EN 175301-803 / Type A 22WDP-...: Angled plug according to DIN 43650 / Type A
Cable gland	PA6, black



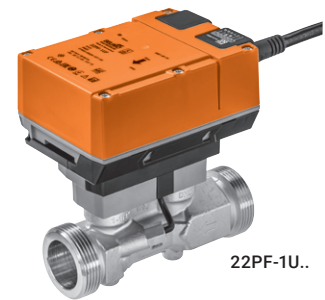
Measured values		Measuring ranges											Sensor type	SAR			
Output signals		Pressure															
		Water	Refrigerants	Water-glycol mixtures (<50% vol.)	LCD display	0...1 bar	0...2.5 bar	0...4 bar	0...5 bar	0...6 bar	0...10 bar	0...16 bar	0...25 bar	0...35 bar			
Pressure																	
Active	0...10 V	■	■	■			■								22WP-114	938.00	
		■	■	■						■					22WP-115	938.00	
		■	■	■								■				22WP-116	938.00
		■	■	■									■			22WP-117	938.00
Active	4...20 mA	■	■	■			■						■		22WP-119	1022.00	
		■	■	■				■							22WP-134	893.00	
		■	■	■						■						22WP-135	893.00
		■	■	■							■					22WP-136	893.00
Active	4...20 mA	■	■	■								■			22WP-137	893.00	
		■	■	■									■		22WP-139	978.00	
		Differential pressure															
		Active	0...5 V / 0...10 V, 4...20 mA	■	■	■	■					■					22PDP-185
■	■			■	■							■			22PDP-186	4466.00	
■	■			■	■									■		22PDP-189	4466.00
■	■			■		■										22WDP-111	2840.00
Active	0...10 V	■	■	■											22WDP-112	2840.00	
		■	■	■						■					22WDP-114	2840.00	
		■	■	■							■				22WDP-115	2840.00	
		■	■	■												22WDP-131	2840.00
Active	4...20 mA	■	■	■											22WDP-132	2840.00	
		■	■	■											22WDP-134	2840.00	
		■	■	■												22WDP-135	2840.00
		■	■	■							■						

Flow sensors with glycol compensation

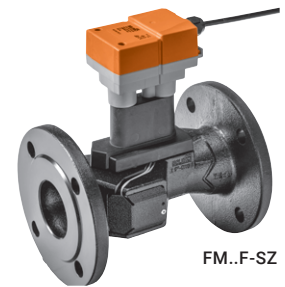
Output signal active

Ultrasonic flow sensor for water and water-glycol mixtures.
Determination of the glycol content and corresponding compensation.

Power supply	AC/DC 24 V
Degree of protection IEC/EN	IP54
Nominal pressure	22PF..: PN 25 FM..: PN 16
Connection	Cable 1 m, 6x 0.75 mm ²
Analogue output	22PF..: 0...10 V, 0.5...10 V, 2...10 V or user defined FM..: 0.5...10 V
Converter for sensors	22PF..: optional connection of an active sensor with output 0...10 V or a switching contact for transmission to bus system
Communication	22PF..: MP-Bus, Modbus RTU, BACnet MS/TP
Accumulation	22PF..: flow can be accumulated over time
Configuration, diagnostics	22PF..: via NFC with Belimo Assistant 2



22PF-1U..



FM..F-SZ



Measured values

	DN	PN	G	Installation length	Maximum flow rate, FS ¹⁾	Water	Water-glycol mixtures (≤60% vol.)	Sensor type	SAR
Flow, temperature									
0...10 V 0.5...10 V 2...10 V User defined	15	25	3/4"	110 mm	1.8 m ³ /h	■	■	22PF-1UC	2764.00
	20		1"	130 mm	3.0 m ³ /h	■	■	22PF-1UD	2853.00
	25		1 1/4"	135 mm	4.2 m ³ /h	■	■	22PF-1UE	2946.00
	32		1 1/2"	140 mm	7.2 m ³ /h	■	■	22PF-1UF	3080.00
	40		2"	145 mm	12 m ³ /h	■	■	22PF-1UG	3266.00
	50		2 1/2"	145 mm	18 m ³ /h	■	■	22PF-1UH	3444.00
Flow									
0.5...10 V	65	16	Flange	240 mm	34.6 m ³ /h	■	■	FM065F-SZ	5191.00
	80			260 mm	49.0 m ³ /h	■	■	FM080F-SZ	5697.00
	100			262 mm	86.4 m ³ /h	■	■	FM100F-SZ	6208.00
	125			314 mm	135.0 m ³ /h	■	■	FM125F-SZ	6711.00
	150			334 mm	194.4 m ³ /h	■	■	FM150F-SZ	7217.00

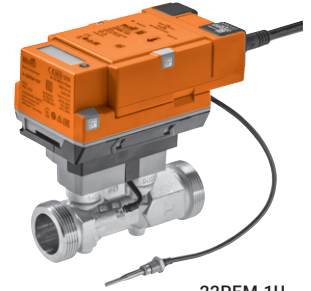
Note: The flow sensors FM..F-SZ will be replaced by new types 22PF-1U.. over the course of the year.
Please also order the required accessories – Starting on **page 30**.

¹⁾ FS = full scale.

S/M

Thermal energy meters according to EN 1434 with MID approval

Communication via MP-Bus, Modbus, BACnet, M-Bus (with converter)



22PEM-1U..

Ultrasonic energy meters for reliable determination and billing of energy consumption.

Use as heat, cooling or heat/cooling meter and in the supply or return.

The thermal energy meters comply with the requirements of EN 1434 and have a type approval as heat meters according to the European Measuring Instruments Directive 2014/32/EU (MI-004).

Power supply	AC/DC 24 V or PoE (Power over Ethernet)
Degree of protection IEC/EN	IP54
Nominal pressure	PN 25
Connection	Cable 1 m, 6x 0.75 mm ² and RJ45 connector socket
Analogue output	Adjustable 0...10 V, 0.5...10 V, 2...10 V or user defined. E.g. the flow rate or the temperature of the temperature sensor T1/T2 can be output.
Converter for sensors	Optional connection of a passive sensor (Pt1000, Ni1000, NTC10k), an active sensor with output 0...10 V or a switching contact for transfer to bus system
Thermal energy display	Via LCD display and via communication
Communication	MP-Bus, Modbus RTU, Modbus TCP, BACnet MS/TP, BACnet/IP, M-Bus (with converter G-22PEM-A01), NFC
Configuration, diagnostics	Via integrated web server and with Belimo Assistant 2

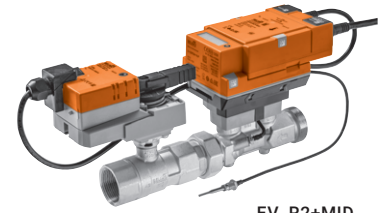


Measured values

	DN	G	Installation length	Nominal flow qp	Maximum flow qs	Pressure drop Δp@qp	Water	Meter type	SAR
Thermal energy, flow, temperature									
	15	3/4"	110 mm	1.5 m ³ /h	3 m ³ /h	15 kPa	■	22PEM-1UC	5697.00
0...10 V	20	1"	130 mm	2.5 m ³ /h	5 m ³ /h	12 kPa	■	22PEM-1UD	6377.00
0.5...10 V	25	1 1/4"	135 mm	3.5 m ³ /h	7 m ³ /h	7 kPa	■	22PEM-1UE	7062.00
2...10 V	32	1 1/2"	140 mm	6 m ³ /h	12 m ³ /h	14 kPa	■	22PEM-1UF	7746.00
User defined	40	2"	145 mm	10 m ³ /h	20 m ³ /h	18 kPa	■	22PEM-1UG	8515.00
	50	2 1/2"	145 mm	15 m ³ /h	30 m ³ /h	22 kPa	■	22PEM-1UH	9248.00

Note: Please also order the required accessories – Starting on [page 30](#).

Belimo Energy Valve™ according to EN 1434 with MID approval



EV..R2+MID

Field of use	Closed water systems (pH >7)
Fluid temperature	-10...120°C (-10...2°C valve neck extension or spindle heater recommended)
Fluid temperature note	MID-certified 15...120°C
Pipe connection	Internal thread Rp (ISO 7-1) and external thread G (ISO 228-1)
Leakage rate	Air-bubble tight, leakage rate A (EN 12266-1)
Permissible operating pressure	p _S : 1600 kPa
V' _{max}	Adjustable 25...100% of V' _{nom}
The thermal energy meters comply with the requirements of EN 1434 and have a type approval as heat meters according to the European Measuring Instruments Directive 2014/32/EU (MI-004).	
Configurable using the integrated web server or Belimo Assistant 2	
Optional connection to the Belimo Cloud	
Sensor-operated flow or power control	

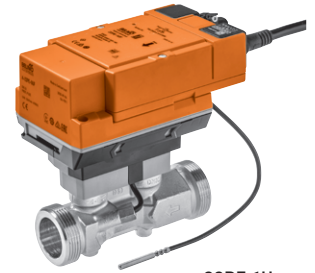


PN	DN	G	Rp	V' _{nom} [l/s]	V' _{nom} [l/min]	V' _{nom} [m ³ /h]	qp [m ³ /h]	Nominal voltage AC/DC 24 V	Modulating (2...10 V, adjustable)	Communication MP-Bus	Communication Modbus	Communication BACnet	Valve type with actuator	SAR
Standard actuators														
25	15	3/4"	1/2"	0.42	25	1.5	1.5	24 V	■	■	■	■	EV015R2+MID	7884.00
	20	1"	3/4"	0.69	41.7	2.5	2.5		■	■	■	■	EV020R2+MID	8057.00
	25	1 1/4"	1"	0.97	58.3	3.5	3.5		■	■	■	■	EV025R2+MID	8279.00
	32	1 1/2"	1 1/4"	1.67	100	6	6		■	■	■	■	EV032R2+MID	9155.00
	40	2"	1 1/2"	2.78	166.7	10	10		■	■	■	■	EV040R2+MID	10146.00
	50	2 1/2"	2"	4.17	250	15	15		■	■	■	■	■	EV050R2+MID

S/M

Thermal energy meters with glycol compensation

Communication via MP-Bus, Modbus, BACnet, M-Bus (with converter)



22PE-1U..

Ultrasonic energy meters for reliable determination of energy consumption in systems with water and water-glycol mixtures.

Continuous, automatic measurement and compensation of the glycol content.

Use as heat, cooling or heat/cooling meter and in the supply or return.

Power supply	AC/DC 24 V or PoE (Power over Ethernet)
Degree of protection IEC/EN	IP54
Nominal pressure	PN 25
Connection	Cable 1 m, 6x 0.75 mm ² and RJ45 connector socket
Analogue output	Adjustable 0...10 V, 0.5...10 V, 2...10 V or user defined. E.g. the flow rate or the temperature of the temperature sensor T1/T2 can be output.
Converter for sensors	Optional connection of a passive sensor (Pt1000, Ni1000, NTC10k), an active sensor with output 0...10 V or a switching contact for transfer to bus system
Thermal energy display	Via communication
Communication	MP-Bus, Modbus RTU, Modbus TCP, BACnet MS/TP, BACnet/IP, M-Bus (with converter G-22PEM-A01), NFC
Configuration, diagnostics	Via integrated web server and with Belimo Assistant 2






Measured values

	DN	G	Installation length	Nominal flow qp	Maximum flow qs	Pressure drop Δp@qp	Water	Water-glycol mixtures (≤60% vol.)	Meter type	SAR
Thermal energy, flow, temperature										
0...10 V	15	3/4"	110 mm	1.5 m ³ /h	3 m ³ /h	15 kPa	■	■	22PE-1UC	5240.00
	20	1"	130 mm	2.5 m ³ /h	5 m ³ /h	12 kPa	■	■	22PE-1UD	5875.00
0.5...10 V	25	1 1/4"	135 mm	3.5 m ³ /h	7 m ³ /h	7 kPa	■	■	22PE-1UE	6515.00
2...10 V	32	1 1/2"	140 mm	6 m ³ /h	12 m ³ /h	14 kPa	■	■	22PE-1UF	7177.00
User defined	40	2"	145 mm	10 m ³ /h	20 m ³ /h	18 kPa	■	■	22PE-1UG	7822.00
	50	2 1/2"	145 mm	15 m ³ /h	30 m ³ /h	22 kPa	■	■	22PE-1UH	8515.00




Note: Please also order the required accessories – Starting on **page 30**.

Adapters and pipe connector kits

		For sensors				
		ø	22WDP-..	22WP-..	Type	SAR/pc.
	Reduction adapter G 1/4" (internal thread) to G 1/2" (external thread)			■	A-22WP-A02	94.00
	Pipe connector Stainless steel Pipe 6 and 8 mm to G 1/4" (external thread) Set of 2 pcs.	6 mm	■		A-22WP-A06 ¹⁾	578.00
		8 mm	■		A-22WP-A10 ¹⁾	680.00
	Pipe connector Brass Pipe 6 and 8 mm to G 1/4" (external thread) Set of 2 pcs.	6 mm	■		A-22WP-A04 ¹⁾	297.00
		8 mm	■		A-22WP-A08 ¹⁾	301.00

¹⁾ The price shown is per set.



Connection adapters

		For sensors																						
		01APS-..	01DT-..	01HT-..	01MT-..	01PT-..	01UT-..	22ADP-..	22CT-..	22DC-..	22DCK-..	22DCM-..	22DCV-..	22DT-..	22DTC-..	22DTH-..	22DTM-..	22HH-..	22HT-..	22MT-..	22UT-..	22UTH-..	Type	SAR/pc.
	Connection adapter M20 For cable 1x 6 mm Multipack (10 pcs.)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	A-22G-A01.1 ¹⁾	22.00
	Connection adapter M20 For cable 2x 6 mm Multipack (10 pcs.)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	A-22G-A02.1 ¹⁾	22.00
	Cable entry M20x1.5 Multipack (10 pcs.)	■																					A-22AP-A11.1 ¹⁾	15.00

¹⁾ The price shown is per piece.




S/M

Cable glands

		For sensors																					
		01DT-..	01HT-..	01MT-..	01PT-..	01UT-..	22ADP-..	22CT-..	22DC-..	22DCK-..	22DCM-..	22DCV-..	22DT-..	22DTC-..	22DTH-..	22DTM-..	22HH-..	22HT-..	22MT-..	22UT-..	22UTH-..	Type	SAR/pc.
	Plug-in cable gland For cable 1x 6...8 mm Multipack (10 pcs.)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	A-22G-A25.1 ¹⁾	15.00
	Plug-in cable gland For cable 2x 6 mm Multipack (10 pcs.)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	A-22G-A26.1 ¹⁾	33.00





¹⁾ The price shown is per piece.

Fixing straps and thermal contact fluid

		For sensors						
		01HT-..	01ST-..	22HH-..	22HH-..,X	22HT-..	Type	SAR/pc.
	Fixing strap For pipes ø20...110 mm	□	□			□	A-22P-A47	18.00
	Fixing strap For pipes ø20...250 mm	■	■			■	A-22P-A49	39.00
	Syringe with thermal contact fluid	■	■	□	□	■	A-22P-A44	15.00







□ Accessories included at the factory.

Mounting flanges

		For sensors											Type	SAR/pc.		
		ø	01CT-..	01CT-..F	01DT-..	20DTS-..	22DC-..	22DCK-..	22DCM-..	22DCV-..	22DT-..	22DTC-..			22DTH-..	22DTM-..
	Mounting flange Plastic For sensor probe 6 mm Up to max. 120°C	4...7 mm	■	□	■						■				A-22D-A03	55.00
	Mounting flange Brass For sensor probe 6 mm Up to max. 260°C	6 mm			■										A-22D-A05	112.00
	Mounting flange Plastic For frost monitor 20DTS-..					■									A-22D-A12	126.00
	Mounting flange Plastic For duct sensor 19.5 mm Up to max. 120°C	20 mm					□	□	□	□		□	□	□	A-22D-A35	92.00



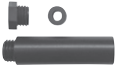


□ Accessories included at the factory.

Mounting accessories

		For sensors											Type	SAR/pc.	
		01APS-..	01ATS-..	01DT-..	01UT-..	22ADP-..	22CT-..	22DT-..	22HH-..	22MT-..	22UT-..	22UTH-..			22WDP-..
	Mounting clip With screws and adhesive foil			□				□						A-22D-A11	16.00
	Mounting plate S housing			■	□		□	■	□	□	□			A-22D-A09	36.00
	Mounting plate L housing					□						□		A-22D-A10	47.00
	Mounting kit With 6 retaining brackets		□							□				A-22D-A08	76.00
	Mounting brackets S form for 01APS-.., metal	■												A-22AP-A07	32.00
	Mounting brackets L form for 01APS-.., metal	■												A-22AP-A06	32.00
	Mounting brackets For 22WDP-.., metal											□		A-22WP-A11	113.00



□ Accessories included at the factory.

Thermowells and compression fittings

		Sleeve length	For sensors										Type	SAR/pc.			
			01DT...H	01DT...L	01DT...N	01DT...P	01DT...R	01DT...T	22DT...H	22DT...L	22DT...N	22DT...P			22DT...R	22DT...T	
	Thermowell Stainless steel G 1/2", SW27	50 mm	■	□					■							A-22P-A06	185.00
		100 mm		■	□					■						A-22P-A08	192.00
		150 mm			■	□					■					A-22P-A10	208.00
		200 mm				■						■				A-22P-A12	221.00
		250 mm					□						□			A-22P-A29	243.00
		300 mm					■							■		A-22P-A14	243.00
		450 mm						■							■	A-22P-A16	262.00
	Thermowell Brass R 1/2", SW22	50 mm	■							■	□				A-22P-A18	92.00	
		100 mm		■							■	□			A-22P-A20	90.00	
		150 mm			■							■	□		A-22P-A22	100.00	
		200 mm				■							■		A-22P-A24	109.00	
		250 mm					□							□	A-22P-A30	116.00	
		300 mm					■								■	A-22P-A26	124.00
		450 mm						■							■	A-22P-A28	140.00
	Cold barrier Plastic L 50 mm For thermowell A-22P-A..				■	■	■	■	■	■	■	■	■	■	A-22P-A51	124.00	
	Compression fitting Stainless steel G 1/4" (external thread) for 6 mm With cutting ring		■	■	■	■	■	■	■	■	■	■	■	■	A-22P-A45	156.00	
	Adapter for Siemens thermowell Plastic With thermal contact fluid				■	■	■	■			■	■	■	■	A-22P-A53	189.00	

□ When a cold barrier is used.

Thermowell kits

		Sleeve length	For sensors			Type	SAR/pc.
			01HT-101CA	EXT-J-00734645	EXT-J-00734647		
	Thermowell kit Nickel-plated brass For sensor probe 6 mm Incl. probe fastening material G 1/2", SW22	100 mm	■	■	■	A-22P-A61	117.00
		150 mm	■	■	■	A-22P-A62	129.00
		200 mm	■	■	■	A-22P-A63	151.00
	Thermowell kit Stainless steel For sensor probe 6 mm Incl. probe fastening material G 1/2", SW22	100 mm	■	■	■	A-22P-A64	188.00
		150 mm	■	■	■	A-22P-A65	207.00
		200 mm	■	■	■	A-22P-A66	282.00



Accessories for differential pressure sensors air

		For sensors			Type	SAR/pc.
		Length	01APS-..	22ADP-..		
	Duct connector Metal Tube connection 5 mm	40 mm	■	■	A-22AP-A02	48.00
	Duct connector Metal Tube connection 5 mm	100 mm	■	■	A-22AP-A04	64.00
	Duct connector Plastic Tube connection 6 mm Multipack (90 pcs.)	80 mm	■		A-22AP-A09.1 ¹⁾	4.60
	Duct connector kit PVC tube 2 m 2 duct connectors, plastic	2000 mm	■	□	A-22AP-A08	34.00
	Duct connector kit PVC tube 2 m 2 duct connectors, plastic Multipack (50 pcs.)	2000 mm	□		A-22AP-A05.1 ¹⁾	19.00

□ Accessories included at the factory.



¹⁾ The price shown is per unit.

Accessories for humidity sensors





		For sensors		Type	SAR/pc.
		22DTH-..	22UTH-..		
	Replacement filter Stainless steel Wire mesh	■	■	A-22D-A06	48.00
	Rain cover For 22UTH-11 and 22UTH-13		■	A-22U-A01	46.00

S/M




Insulation shells

	DN	2-way	For sensors and meters		For valves	Type	SAR/pc.
			22PE..	22PF-1U..	EV..R2+MID		
 Insulation shell for Belimo Energy Valve™ Only for non-condensing applications Included in the scope of delivery for the device	15...25	■			■	Z-INSH15	163.00
	32...50	■			■	Z-INSH32	190.00
 Insulation shell for thermal energy meters and flow sensors Only for non-condensing applications Included in the scope of delivery for the device	15...25	■	■	■		A-22PEM-A01	122.00
	32...50	■	■	■		A-22PEM-A02	133.00



MID accessory kits

	DN	G	Rp	Fitting piece length	For meters		For valves	Type	SAR/pc.
					22PEM-1U..	EV..R2+MID			
 MID accessory kit without fitting piece Consisting of open/close valve (2x) and ball valve with measuring port M10x1 for external direct immersion temperature sensor T1	15	3/4"	1/2"		■			EXT-EF-15A	493.00
	20	1"	3/4"		■			EXT-EF-20A	564.00
	25	1 1/4"	1"		■			EXT-EF-25A	778.00
	32	1 1/2"	1 1/4"		■			EXT-EF-32A	1702.00
	40	2"	1 1/2"		■			EXT-EF-40A	2329.00
	50	2 1/2"	2"		■			EXT-EF-50A	3595.00
 MID accessory kit with fitting piece Consisting of open/close valve (2x) and ball valve with measuring port M10x1 for external direct immersion temperature sensor T1	15	3/4"	1/2"	110 mm	■			EXT-EF-15B	751.00
	20	1"	3/4"	130 mm	■			EXT-EF-20B	942.00
	25	1 1/4"	1"	135 mm	■			EXT-EF-25B	1209.00
	32	1 1/2"	1 1/4"	140 mm	■			EXT-EF-32B	2169.00
	40	2"	1 1/2"	145 mm	■			EXT-EF-40B	2875.00
	50	2 1/2"	2"	145 mm	■			EXT-EF-50B	4262.00
 MID accessory kit Belimo Energy Valve™ Consisting of open/close valve and ball valve with measuring port M10x1 for external direct immersion temperature sensor T1	15	3/4"	1/2"				■	EXT-EF-15C	364.00
	20	1"	3/4"				■	EXT-EF-20C	406.00
	25	1 1/4"	1"				■	EXT-EF-25C	556.00
	32	1 1/2"	1 1/4"				■	EXT-EF-32C	1329.00
	40	2"	1 1/2"				■	EXT-EF-40C	1787.00
	50	2 1/2"	2"				■	EXT-EF-50C	2729.00
 MID accessory kit Belimo Energy Valve™ Consisting of ball valve with measuring port M10x1 for external direct immersion temperature sensor T1	15		1/2"		■		■	EXT-EF-15E	206.00
	20		3/4"		■		■	EXT-EF-20E	222.00
	25		1"		■		■	EXT-EF-25E	316.00
	32		1 1/4"		■		■	EXT-EF-32E	924.00
	40		1 1/2"		■		■	EXT-EF-40E	1280.00
	50		2"		■		■	EXT-EF-50E	1480.00

Open/close valves and pipe connectors



	DN	G	Rp	For sensors and meters			For valves	Type	SAR/pc.
				22PE-1U..	22PEM-1U..	22PF-1U..	EV..R2+MID		
 Open/close valve Nickel-plated brass With sealing hole	15	3/4"	1/2"	■	■	■	■	EXT-EF-15G	207.00
	20	1"	3/4"	■	■	■	■	EXT-EF-20G	245.00
	25	1 1/4"	1"	■	■	■	■	EXT-EF-25G	322.00
	32	1 1/2"	1 1/4"	■	■	■	■	EXT-EF-32G	591.00
	40	2"	1 1/2"	■	■	■	■	EXT-EF-40G	773.00
	50	2 1/2"	2"	■	■	■	■	EXT-EF-50G	1578.00
 Pipe connector For ball valve with internal thread Nickel-plated brass	15		1/2"				■	ZR2315	76.00
	20		3/4"				■	ZR2320	85.00
	25		1"				■	ZR2325	108.00
	32		1 1/4"				■	ZR2332	160.00
	40		1 1/2"				■	ZR2340	220.00
	50		2"				■	ZR2350	365.00
 Pipe connector With internal thread Nickel-plated brass Incl. gasket 2 pieces each are required for sensors and meters	15	3/4"	1/2"	■	■	■	■	ZREV15F	70.00
	20	1"	3/4"	■	■	■	■	ZREV20F	108.00
	25	1 1/4"	1"	■	■	■	■	ZREV25F	177.00
	32	1 1/2"	1 1/4"	■	■	■	■	ZREV32F	252.00
	40	2"	1 1/2"	■	■	■	■	ZREV40F	317.00
	50	2 1/2"	2"	■	■	■	■	ZREV50F	489.00

Thermowells



	DN	G	For meters		Type	SAR/pc.
			22PE-1U..			
 Thermowell For external temperature sensor T1	15...50	1/4"	■		A-22PE-A07 ¹⁾	114.00
	65...100	1/2"	■		A-22PE-A08	250.00

¹⁾ Included in scope of delivery of the 22PE-... meters.



T-pieces

	DN	Rp	For meters		For valves	Type	SAR/pc.
			22PE-1U..	22PEM-1U..	EV..R2+MID		
 <p>T-piece with thermowell For external temperature sensor T1</p>	15	1/2"	■			A-22PE-A01	169.00
	20	3/4"	■			A-22PE-A02	201.00
	25	1"	■			A-22PE-A03	243.00
	32	1 1/4"	■			A-22PE-A04	295.00
	40	1 1/2"	■			A-22PE-A05	354.00
	50	2"	■			A-22PE-A06	462.00
 <p>T-piece M10x1 For external direct immersion temperature sensor T1</p>	15	1/2"		■	■	A-22PEM-A06	100.00
	20	3/4"		■	■	A-22PEM-A07	125.00
	25	1"		■	■	A-22PEM-A08	176.00
	32	1 1/4"		■	■	A-22PEM-A09	226.00
	40	1 1/2"		■	■	A-22PEM-A10	287.00
	50	2"		■	■	A-22PEM-A11	397.00


Thermal energy meter accessories

	For meters		For valves	Type	SAR/pc.
	22PE-1U..	22PEM-1U..	EV..R2+MID		
 <p>Security seal Consecutively numbered (unique number) With attached wire Set of 2 pcs.</p>		■	■	A-22PEM-A03	114.00
 <p>Silicone grommet with clamp IP54 protection for RJ connection module</p>	■	■	■	A-22PEM-A04	140.00



Cables

	Cable length	For sensors			Type	SAR/pc.
		22PDP-..	22WDP-..	22WP-..		
 Connecting cable for 22WP-.. and 22WDP-.. Valve plug Type A, black Cable: PVC black, 4x 0.75 mm ² , numbered Free ends with wire sleeves	1.5 m		■	■	EXT-MR-249184	254.00
	5 m		■	■	EXT-MR-249185	277.00
 Extension cable set for 22PDP-.. With pre-assembled M12 connector plugs	7 m	■			A-22PDP-A02	1422.00

M-Bus converters

















	For meters		For valves	Type	SAR/pc.
	22PE-1U..	22PEM-1U..	EV..R2+MID		
 M-Bus converter Intelligent junction box with AC/DC 24 V Interface MP-Bus to M-Bus For the connection of a thermal energy meter or Belimo Energy Valve™	■	■	■	G-22PEM-A01	1929.00

Sensor modules as spare parts







	DN	For meters		For valves	Type	SAR/pc.
		22PE-1U..	22PEM-1U..	EV..R2+MID		
 Sensor module MID Spare part for thermal energy meter with MID approval Incl. 2 security seals and 1 seal	15		■	■	R-22PEM-0UC	2915.00
	20		■	■	R-22PEM-0UD	3089.00
	25		■	■	R-22PEM-0UE	3253.00
	32		■	■	R-22PEM-0UF	3422.00
	40		■	■	R-22PEM-0UG	3586.00
	50		■	■	R-22PEM-0UH	3782.00
 Sensor module Spare part for thermal energy meter without MID approval	15	■			R-22PE-0UC	2440.00
	20	■			R-22PE-0UD	2609.00
	25	■			R-22PE-0UE	2778.00
	32	■			R-22PE-0UF	2942.00
	40	■			R-22PE-0UG	3111.00
	50	■			R-22PE-0UH	3297.00

S/M

Service tools



		Download from
	<p>Belimo Assistant 2 Settings and quick diagnostics for Belimo devices via smartphone, tablet or desktop – even in unpowered state.</p> <p>    </p>	<p>   </p>
		<p>   </p>
		<p>   </p>
	<p>Belimo Duct Sensor Assistant App Settings and quick diagnostics for Belimo sensors via Bluetooth dongle (A-22G-A05).</p> <p>  </p>	<p>   </p>
		<p>   </p>

End-user tools

		Download from
	<p>Belimo Display App End-user app for the display of current room values and the adaptation of setpoints per smartphone via NFC.</p> <p>  </p>	<p>   </p>
		<p>   </p>

Converters

For sensors and meters

	22PE-...	22PEM-...	22PF-...	22RT-...	P-22RT-...	22ADP-...	22DC-13	22DCK-11	22DCM-11	22DCV-11	22DTC-...	22DTH-15..	22DTH-16	22DTM-...	22UTH-150X	22UTH-160X	Type	SAR/pc.
 <p>Belimo Assistant Link Converter for the connection between Belimo Assistant 2 and the configurable and communicative devices from Belimo. Supports Bluetooth and USB to NFC and MP-Bus.</p>	■	■	■	■	■												LINK.10	2178.00
 <p>Bluetooth USB dongle Converter for the temporary, wireless operation of Belimo sensors. Works in combination with the Belimo Duct Sensor Assistant App. Available in all EU and EFTA countries and in the UK. With interface board.</p>						■	■	■	■	■	■	■	■	■	■	■	A-22G-A05	1058.00

(The currently valid General Terms and Conditions are available on the Internet.)
As of July 2023 / V1

1. Scope

These General Terms and Conditions are applicable for deliveries and services provided by "World Systems Co. Ltd." (hereinafter referred as the BELIMO Agent) as an authorized Agent of BELIMO Automation AG Hinwil (hereinafter referred to as "BELIMO") to the client. In case our delivery includes Software and accompanying documentation, the terms of the license agreement are applicable in addition to these General Terms and Conditions. However, in case of any conflict between the two documents, the license agreement shall prevail.

2. Conclusion of the contract

The contract is deemed to be concluded upon receipt of an order confirmation by the client or, upon absence of such confirmation, upon the segregation of the ordered products by the BELIMO Agent. All catalogues, brochures and publications on the Internet are considered to be an invitation to offer and are not binding for the BELIMO Agent. Modifications or additions to these General Terms and Conditions or to the contract are not valid without written approval by the BELIMO Agent.

Orders that deviate from the specifications published by the BELIMO Agent or contain additions or modifications made by the client will only be effective if they have been expressly approved by the BELIMO Agent with a written order confirmation.

3. Cancellation of the contract

Orders of products according to catalogue (standard products) may be cancelled by the client until the segregation of the ordered products by the BELIMO Agent provided that the BELIMO Agent has received the statement of cancellation prior to the time of segregation. Orders of customers' products (special designs etc.) may be cancelled only up to 4 hours after receipt of the order by the BELIMO Agent. In that case, a service charge of 10% of the net order amount will be invoiced to the client. In case of customised products or configured actuators, a service charge of 20% of the net order amount will be invoiced to the client.

4. Prices

If not expressly specified otherwise, all price information is net, excluding VAT.

The standard packaging of the ordered products is included in the net price. All other costs, such as for transport, insurance, taxes, customs duties as well as export, import or other necessary approvals will be invoiced as additional charges. The net price does not include any additional services performed by the BELIMO Agent, such as installation, commissioning and compilation of diagrams etc. A small-order fee in the amount of SAR 400 will be charged for orders with a net price of less than SAR 800.

The BELIMO Agent reserves the right to change prices at any time until the conclusion of the contract.

5. Delivery conditions

All times, dates and delivery deadlines are considered non-binding, unless their binding nature has been expressly agreed in writing. Binding delivery deadlines and dates that have been agreed upon in writing are met when the product is made available in the distributing warehouse before the corresponding dates have passed. If the BELIMO Agent has a delay in delivery, it is assumed that the client continues to demand the delivery. Compensation for late delivery or for replacement is excluded.

If not otherwise indicated on the order confirmation, delivery of the Goods shall be made in accordance with Incoterms® 2020 DAP Goods recipient (DAP = Delivered At Place, delivery address ship-to-party).

The BELIMO Agent reserves the right not to deliver the ordered products if they are unavailable; in this case, the BELIMO Agent will immediately notify the client of the non-availability and, if necessary, reimburse any payment already made.

6. Payment conditions

The BELIMO Agent invoices must be paid in full within 30 days after the date of invoice. After the payment deadline, the client will automatically owe the BELIMO Agent a reminder charge of SAR 200. If the client is in delay, the BELIMO Agent reserves the right to withhold further deliveries. The client is not entitled to offset outstanding accounts from BELIMO with any counterclaims.

7. Application, installation and use of BELIMO products

BELIMO products distributed by the BELIMO Agent are intended for professional use only. BELIMO products distributed by the BELIMO Agent may only be installed and replaced by skilled qualified personnel.

BELIMO products distributed by the BELIMO Agent must be used in accordance with the specifications of the respective currently valid data and assembly sheet. The use of Belimo Cloud Services is subject to the "Terms of Use for Belimo Cloud Services" as amended from time to time.

8. Specifications

Except when otherwise expressly stipulated, the information published by the BELIMO Agent or BELIMO in text or picture form (e.g. illustrations or drawings) in catalogues, brochures, websites, data and assembly sheets or other publications conclusively defines the specific characteristics of the goods delivered by the BELIMO Agent and their application possibilities and does not represent any guarantee for durability or specific characteristics. The specific characteristics of the delivered products can deviate from that of images or samples in respect to material, colour or shape. The BELIMO Agent does not accept any responsibility for the performance or fitness of products for a particular purpose.

The specifications communicated by the BELIMO Agent are only to be regarded as a guideline. The BELIMO Agent reserves the right to change the communicated product specifications or to deliver corresponding products from third-party suppliers in place of the ordered products.

9. Reservation of title

The title of supplied products remains with the BELIMO Agent until the client has fully paid all invoices.

10. Passing of risk

Benefit and risk with regard to the products purchased pass to the client in accordance with agreed Incoterms® 2020.

11. Redemption of products

The BELIMO Agent may, upon prior agreement, redeem products according to catalogue (standard products) provided that these products are still contained in the product range, virgin, i.e. not older than max. 3 months, unused, and originally packed at the time of return. The BELIMO Agent does not have any duty of redemption. Redemption of customers' products (special designs, Designed to Order, configured actuators), Openline-products or products that have been procured on client's specific demand is excluded.

The return of products according to catalogue shall be made enclosing a copy of the invoice and stating the reason for the return, free of all charges to the address of World Systems Co. Ltd., 3742 Al Thumamah Road, Al Yasmeen District, Riyadh 13322.

From the credit as agreed with the client, a service charge of at least 20% of the net catalogue price will be deducted. A payment of the credit in cash is excluded. It can only be credited against future orders.

12. Duty of examination

The client shall examine all products for defects within 5 working days of receipt. Any defects are to be reported to the BELIMO Agent immediately in writing; the product will otherwise be deemed to be approved. Hidden defects must be reported in writing within 5 working days after they are discovered.

13. Warranty

With its warranty, the BELIMO Agent guarantees during the warranty period in accordance with this clause 13, that the delivered products meet the specifications that are explicitly listed on the corresponding data sheets. For the rest, any warranty is excluded as far as permitted by law. In particular, no warranty is given for damage resulting from or partly caused by the client or by third parties acting within the scope of responsibility of the client when

- a) Products are used in areas that are not specified in the data and assembly sheets, especially in aircraft and any other airborne means of transport;

- b) Products are used without observing the laws, official regulations or the instructions of the BELIMO Agent (especially regarding installation, commissioning, operating regulations and information on the data and assembly sheets);
- c) Products are used under special conditions, especially under the continuous influence of aggressive chemicals, gases or liquids or outside of the permissible operating parameters or conditions for use;
- d) Products are assembled, handled or installed incorrectly or without due care or not according to the respective authoritative state-of-the-art or are not used or installed by skilled qualified personnel;
- e) Products are modified or repaired without prior written approval of the BELIMO Agent;
- f) Products become worn out as a result of inappropriate or unintended use or excessive stress;
- g) Products are stored inappropriately; or
- h) The client or third parties are responsible for damage.

The BELIMO Agent also provides no warranty for normal wear and tear, including all types of corrosion, operational or environmental wear and tear and the like, as long as this is not due to defects in materials or workmanship.

For Openline-products further limitations of liability according to the applicable framework agreement, concluded between the BELIMO Agent and the client, will apply.

The client is liable for actions or omissions of auxiliary personnel as if these were his own actions.

The warranty period is five years from the date of manufacture for BELIMO products distributed by the BELIMO Agent. The warranty period is two years from the date of delivery for Openline-Products. The warranty period for products that have not been manufactured by BELIMO (trade products) can be derived from the order confirmation. Trade products are specified as such, either by the name and/or by the logo of the manufacturer. The warranty period for trade products is generally one year from the date of delivery, in exceptional cases two years from the date of delivery.

The warranty period starts at the time of manufacture or delivery of the product, respectively, without requiring acceptance from or testing by the client. The client is obliged to immediately initiate all suitable measures to minimise damage. If a timely report has been made in accordance with Section 12 above, the BELIMO Agent is obliged either to replace defective products with products that are equal or equivalent, to have them repaired either by the BELIMO Agent or third parties at the BELIMO Agent's expense or to issue the client a credit note in the amount of the net price paid for the defective product. The BELIMO Agent will decide which of these measures is taken.

The warranty period does not restart from the beginning for replaced products.

The BELIMO Agent can require the client to replace particular defective products or parts of products in a system to prevent damage,

whereby reasonable client expenditures in this context that are approved in advance in writing by the BELIMO Agent will be reimbursed by the BELIMO Agent.

14. Limitation of liability

The liability of the BELIMO Agent is defined conclusively under Section 13. Any other claims of the client towards the BELIMO Agent, irrespective of the legal basis, including but not limited to price reduction or rescission, are excluded and waived expressly herewith.

Client does not have any title to claim for damage which does not occur on the products themselves as well as for compensation for such claims from the client's clients or third parties. In particular, the BELIMO Agent does not accept any liability for costs incurred in connection with a replacement (e.g. transport, dismantling, assembly, re-commissioning and associated clarifications), costs for determining the causes of damage, for expert opinions or indirect or consequential damage (including damage resulting from defects) of any kind, such as loss of use, downtimes, loss of profit or returns etc. and for damages caused by recall actions, unless they have been caused by the BELIMO Agent intentionally or due to gross negligence. The extent to which the BELIMO Agent's liability is excluded or limited, such exclusion or limitation also applies to the personal liability of their employees, staff, representatives and vicarious agents.

15. Indemnification

Upon the BELIMO Agent's first request, the client shall indemnify and hold harmless the BELIMO Agent in full from any third party claim in conjunction with the events listed under Section 13. This also applies to claims in connection with product liability.

16. Force majeure

Neither the BELIMO Agent nor the client accepts liability for damage of any kind if obstacles occur which they are unable to prevent in spite of all due care, irrespective of whether these occur at the BELIMO Agent, the client or a third party. Such obstacles are, for example, epidemics, pandemics, mobilisation, war, revolts, severe interruptions of operations, accidents, labour disputes, delayed or faulty delivery of the required raw materials, semi-finished or finished goods, non-availability of important work pieces, magisterial injunctions or omissions, embargos, export or import restrictions, acts of God or any other circumstances which are, to a large extent, beyond the control of the BELIMO Agent or the client. Payments, however, may not be retained or delayed with reference to such circumstances. In such cases, both parties shall, without delay, undertake all effective measures which can be expected of them to prevent damage, or if damage occurs, to minimise the degree of this damage as far as possible.

17. Resale

If the product is resold, the client must impose at least the same limitations of warranty restrictions upon the buyer.

18. Privacy policy

The BELIMO Agent places great value on the implementation of lawful data processing to protect your personal data. The BELIMO Agent is obliged to process your personal data in accordance with current legislation. We are dependent on the services of other third parties for the provision of our services. These third parties will only process your data in connection with the services agreed with the BELIMO Agent, will ensure the same level of data protection as the BELIMO Agent, and will not pass on your data to other third parties without your agreement. When processing your data and transferring your data to third parties, the BELIMO Agent will ensure that an appropriate level of data protection is guaranteed and that appropriate organisational and technical measures are implemented to protect your data. More detailed information on our data protection guidelines is available from the following Internet address:

www.belimo.com/privacy.

19. Modifications

The BELIMO Agent reserves the right to modify these General Terms and Conditions at any time.

20. Severability clause

In the event of a defect or invalidity in any of the provisions of this document, the defect or invalidity is limited to the scope of the requirement or obligation contained therein and does not exceed any of the terms or provisions of the document in whole or in part. The defect or invalidity shall be remedied or the exclusive part of the invalidity shall be dropped and the remaining provisions shall apply.

21. Applicable law and jurisdiction

Saudi law applies exclusively.

Since this Agreement is enforced in the Kingdom of Saudi Arabia, this Agreement is governed by the Regulations of the Kingdom of Saudi Arabia and any dispute that may arise between the Parties must first be settled amicably. If the dispute cannot be settled to the satisfaction of the Parties within 30 days, the consideration of the dispute shall be in the courts of the Kingdom of Saudi Arabia in the city of Riyadh.

If there is an inconsistency between the English version and the Arabic version of these General Terms and Conditions, it is the Arabic version that prevails.

All inclusive.

Belimo as a global market leader develops innovative solutions for the controlling of heating, ventilation and air-conditioning systems. Damper actuators, control valves, sensors and meters represent our core business.

Always focusing on customer value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The “small” Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance.

In short: Small devices, big impact.



5-year warranty



On site around the globe



Complete product range



Tested quality



Short delivery times



Comprehensive support



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