Circulating pumps
Installation equipment
Tanks

Who are we?

Dambat has been supplying top quality pump technology equipment since 1999. Since its inception, Dambat has relied 100% on Polish capital and technical ideas.

We are well-regarded by specialists on the Polish market, and continuous development we have established partnerships with contractors throughout Europe. We work with the world's best manufacturers, using their components, and exchanging knowledge and experience with them to create the best products. For more than 20 years we have been the manufacturer and owner of IBO Pumps. In 2021 we expanded our portfolio with a professional product brand - iQ PR - and became the official Polish representative of DRENO, an Italian brand that produces sewage pumps.

Dambat was established in 1999, and from the very beginning has based its growth on understanding the needs of its customers by providing them with quality products. Thanks to the experience and knowledge of its highly qualified staff and continuous product development, Dambat has become a significant manufacturer of water pumps on the European market.

To continue our development, we work with world-renowned manufacturers of water equipment and machinery, while constantly perfecting our offer.

With years of experience combined with an understanding of the importance of reliability, Dambat delivers top quality products to all its customers.

IBO IBO ITALY iPRO DRENO

Circulating pumps

- OVI
- MAGI 2
- MAGI MAX
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- NOVA MAX
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Circulator pumps

- OHI PRO
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- IPML
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- IGDL

Pump groups / Equipment

- GP PRO BO | GP PRO 3D-S | GP PRO 3D-T
- Manifolds GP PRO
- Vertical coupling SP-S GZ | SP-S GWs
- Horizontal coupling SP-S GP PRO
- Manifolds IRP INOX
- GP MIX T
- IBOMAT API 25/45-50-55

OVI

Energy Efficiency Index: EEI ≤ 0,23

NEW

The OVI series circulating pumps are used mainly for water circulation in boiler systems in household central heating system. They are equipped with permanent magnet motors and a differential pressure regulator which automatically and continuously adjusts the pump's performance to meet the actual needs of the system.

Technical data:

- Voltage: 1~230 V +6%/-10%, 50 Hz
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,050 MPa
- Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,050 MPa
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 110°C
- Pumped liquid temperature range: 2–95°C
- Permissible heating medium temperature: 2–95°C

Application:

The OVI series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Amperage (A)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887260497	OVI 15-60/130	4	6	52	45	0,38	1 / ½	130	1,4
5903887260473	OVI 25-40/130	4	4	50	22	0,2	1½ / 1	130	1,6
5903887260466	OVI 25-60/130	4	6	65	45	0,38	1½ / 1	130	1,6
5903887261678	OVI 25-80/130	4	–	–	–	–	–	130	–
5903887260442	OVI 25-40/180	4	4	53,3	22	0,2	1½ / 1	180	1,6
5903887260459	OVI 25-60/180	4	6	70	45	0,38	1½ / 1	180	1,6
5903887260480	OVI 32-60/180	4	4,5	70	45	0,38	2	180	–
5903887260503	OVI 25-80/180	4	4	86,6	63	0,48	1½	180	–
5903887260510	OVI 32-80/180	4	4	86,6	63	0,48	2	180	–
5903887260527	OVI 40-80/180	4	–	–	–	–	–	180	–

MAGI 2

Energy Efficiency Index: EEI ≤ 0,23

Circulating pumps are used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water systems.

Technical data:

- Voltage: 1~230 V +6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: H
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 110°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 115°C
- Pumped liquid temperature range: 2–110°C

Application:

The MAGI 2 series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887217088	MAGI 2 25-40/180	8	4	50	5–22	1½ / 1	180	2,2
5903887217095	MAGI 2 25-60/130	8	6	55	5–45	1½ / 1	130	2,2
5903887217101	MAGI 2 25-60/180	8	6	55	5–45	1½ / 1	180	2,2
5903887214681	MAGI 2 25-80/180	8	8	90	5–70	1½ / 1	180	2,4
5903887214698	MAGI 2 32-80/180	8	8	90	5–70	2 / 1¼	180	2,6

3 YEAR WARRANTY

MAGI MAX

Energy Efficiency Index: EEI ≤ 0,23

Circulating pumps are used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water systems.

Technical data:

- Voltage: 1~230 V + 6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. pressure in the central heating system: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 110°C
- Pumped liquid temperature range: 2–95°C
- Auto-venting function: yes

Application:

The MAGI MAX series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system.

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137510792	MAGI MAX 25-100/180	9	10	170	10–180	1½ / 1	180	4,2
5903137510808	MAGI MAX 32-100/180	9	10	180	10–180	2 / 1¼	180	4,6

MAGI H

Energy Efficiency Index: EEI ≤ 0,23

Circulating pumps are used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water systems.

Technical data:

- Voltage: 1~230 V +6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP42
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 75°C, ≤ 90°C, ≤ 110°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-4-4
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 120°C
- Pumped liquid temperature range: 2–110°C
- Auto-venting function: yes

Application:

The MAGI H series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system.

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137511768	MAGI H 25-120/180	12	12	160	7–180	1½ / 1	180	3,4
5903137511775	MAGI H 32-120/180	12	12	160	7–180	2 / 1¼	180	3,8

AMG | AMG SOLAR

Energy Efficiency Index: EEI ≤ 0,23 PWM signal support
AMG SOLAR – pump for solar power systems

Circulating pumps can be used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water systems.

AMG

AMG SOLAR

Technical data:

- Voltage: 1~230 V + 6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: E
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 110°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface:
  - AMG: ≤ 115°C
  - AMG SOLAR: ≤ 125°C
- Pumped liquid temperature range: 2–110°C

Application:

The AMG series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection / screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887215244	AMG 15-60/130	10	6,1	48	45	1 / ¾*	130	1,6
5903887215237	AMG 25-60/130	10	6,1	55	45	1½ / 1	130	1,8
5903137517692	AMG 25-80/130	10	8,1	60	65	1½ / 1	130	1,8
5903137510969	AMG 25-40/180	10	4,1	42	25	1½ / 1	180	2
5903887217316	AMG 25-60/180	10	6,1	55	45	1½ / 1	180	2
5903887215251	AMG 25-80/180	10	8,1	60	65	1½ / 1	180	2
5903887215268	AMG 32-80/180	10	8,1	70	65	2 / 1¼	180	2,2
5903887247498	AMG SOLAR 25-80/180	10	8,1	60	65	1½ / 1	180	1,9

* Male thread.

IVO

Energy Efficiency Index: EEI ≤ 0,23

SERWIS 48

The IVO series circulating pump is equipped with a permanent magnet motor and a differential pressure regulator that automatically and continuously adjusts the pump's performance to meet actual needs of the system. The pump control panel is located on top of the motor, making operation easy for the user. Its dial displays the current electricity consumption. The pump set includes a complete set of screw connections and an adapter for connecting the cable.

Technical data:

- Voltage: 1~230 V +6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: H
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 110°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,05 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 115°C
- Pumped liquid temperature range: 2–110°C

Application:

The IVO series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection / screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887217507	IVO 25-40/180	8	4	50	5–22	1½ / 1	180	2,6
5903887217514	IVO 25-60/180	8	6	55	5–45	1½ / 1	180	3
5903887249171	IVO 25-80/180	8	8	70	5–60	1½ / 1	180	3,2
5903887249195	IVO 32-80/180	8	8	80	5–60	2 / 1¼	180	3,4

BETA 2

Energy Efficiency Index: EEI ≤ 0,23

The pumps are designed to force circulation in central heating system and solar power systems. The pumps are equipped with an electronic processor that automatically controls the operation of the pumps which, in combination with a frequency converter, makes significant electricity savings possible. The processor allows you to choose one of 8 operating modes, depending on the needs of the system. Electricity consumption is between 1/10 and 1/3 that of conventional pumps. The pump set includes a complete set of screw connections and a power cable.

Technical data:

- Voltage: 1~230 V + 6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. pressure in the central heating system: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 110°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 115°C
- Pumped liquid temperature range: 2–110°C
- Auto-venting function: yes

Application:

The BETA 2 series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system system and domestic hot water system

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/ screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137510693	BETA 2 25-40/180	8	4	48	5–22	1½ / 1	180	2,2
5903137510709	BETA 2 25-60/130	8	6	55	5–45	1½ / 1	130	2,2
5903137510716	BETA 2 25-60/180	8	6	55	5–45	1½ / 1	180	2,2
5903887249218	BETA 2 25-80/180	8	8	90	5–70	1½ / 1	180	2,4
5903887249232	BETA 2 32-80/180	8	8	90	5–70	2 / 1¼	180	2,4

NOVA

Energy Efficiency Index: EEI ≤ 0,20

The NOVA series circulating pump is equipped with permanent magnet motors and a differential pressure regulator that automatically and constantly adjusts the performance of the pump to meet the system's actual needs. The pump's control panel is located on top of the motor, making operation easy for the user. Its dial displays the current electricity consumption. The pump set includes a complete set of screw connections and an adapter for connecting the cable

Technical data:

- Voltage: 1 × 230 V + 6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,05 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 110°C
- Pumped liquid temperature range: 2–95°C

Application:

The NOVA series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system system and domestic hot water system.

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137510303	NOVA 25-40/180	8	4	50	5–22	1½ / 1	180	2,8
5903137510327	NOVA 25-60/180	8	6	55	5–45	1½ / 1	180	3
5903137510310	NOVA 25-60/130	8	6	55	5–45	1½ / 1	130	2,9

NOVA MAX

Energy Efficiency Index: EEI ≤ 0,23

Circulating pumps can be used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water systems.

Technical data:

- Voltage: 1~230 V +6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: H
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,1 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 115°C
- Pumped liquid temperature range: 2–110°C

Application:

The NOVA MAX series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Central heating system and hot water systems

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection diameter (DN)	Connection spacing (mm)	Weight (kg)
5903887217118	NOVA MAX 40-120/250	16	12	275	15–600	DN40	250	17,5
5903887217125	NOVA MAX 50-120/250	16	12	350	15–600	DN50	250	18
5903887253376	NOVA MAX 65-120/250	16	12	350	15–600	DN65	250	18

PANDA

Energy Efficiency Index:
EEI ≤ 0,17 (PANDA 25-40/180)
EEI ≤ 0,19 (PANDA 25-60/180)

The PANDA series circulating pump is equipped with permanent magnet motors and a differential pressure regulator that automatically and constantly adjusts the performance of the pump to meet the system's actual needs. The pump's control panel is located on the side of the motor, making operation easy for the user. Its dial displays the current electricity consumption. The pump set includes a complete set of screw connections and an adapter for connecting the cable.

Technical data:

- Voltage: 1 × 230 V + 6%/-10%, 50 Hz
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system system pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the heating medium temperature
  - Medium temperature: ≤ 85°C, ≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,005 MPa, 0,028 MPa, 0,05 MPa
- Compliance with the EMC standard: EN61000-6-1; EN61000-6-3
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Max. heating of the pump surface: ≤ 110°C
- Pumped liquid temperature range: 2–95°C

Application:

The PANDA series circulating pump is best suited for the following systems:

- Constant-temperature variable flow heating system
- Heating system with variable pipeline temperature
- Heating system with night mode
- Air-conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water systems

EAN	Model	Number of operating modes	Head (m)	Flow (l/min)	Power (W)	Connection/ screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887252331	PANDA 25-40/180	4	4	50	5–22	1½ / 1	180	2,4
5903887252348	PANDA 25-60/180	4	6	55	5–45	1½ / 1	180	2,4

3 YEAR WARRANTY

OHI PRO

National Institute of Public Health NIH – National Research Institute Hygienic Certificate

Circulating pumps are used in constant-temperature heating systems with variable flow, systems with adjustable pipeline temperature, heating with night mode, air-conditioning, industrial circuits and in domestic central heating system and hot water system.

OHI PRO is a series of glandless circulator pumps with increased service life.

The pumps have 3 settable speeds as standard, allowing the operating parameters to be adjusted according to the needs of the user and the system. The pumps are very quiet thanks to their design and high quality of materials used.

The idea behind creating the OHI PRO pump was a strong belief in the necessity of designing a device with a more durable and reliable structure than that of generally available circulating pumps.

EAN	Model	Speed	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137511850	OHI PRO 15-60/130	1	3,7	27	46	1 / ¾*	130	2,6
		2	5,2	39	63			
		3	5,9	55	93			
5907222763162	OHI PRO 25-40/180	1	2,4	30	38	1½ / 1	180	2,4
		2	3,4	43	53			
		3	3,9	54	71			
5903137511997 5907222763179	OHI PRO 25-60/130 OHI PRO 25-60/180	1	3,4	30	46	1½ / 1	130 180	3
		2	4,9	45	63			
		3	5,7	63	93			
5903137511867	OHI PRO 32-60/180	1	3,7	37	46	2 / 1¼	180	2,8
		2	5	56	63			
		3	5,8	75	93			
5903137510860	OHI PRO 25-80/180	1	6	59	150	1½ / 1	180	4,6
		2	7	89	220			
		3	7,4	102	270			
5903137510877	OHI PRO 32-80/180	1	6	74	150	2 / 1¼	180	4,6
		2	7,6	115	220			
		3	8	159	270			

* Male thread

BETA 2 25-60/130 BR

Circulating pumps with bronze body

The pumps are equipped with an electronic processor that automatically controls their operation which, in combination with a frequency converter, makes significant savings in electricity consumption possible. The energy efficiency index of the BETA series pumps is EEI ≤ 0,23. The pumps are equipped with an electronic display that shows current energy consumption.

EAN	Model	Mode	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903137514684	BETA 2 25-60/130 BR	11	6	55	45	1½ / 1	130	2,8

CPI 15–15

Domestic hot water circulator pumps

National Institute of Public Health NIH – National Research Institute Hygienic Certificate

Glandless circulator pumps for forcing hot water system circulation. In installations not equipped with a hot water system pump, when the valve is opened, the cooled water in the pipes flows out first, followed by hot water. When a hot water system pump is installed, hot water will flow almost immediately after the tap is turned on. The pump is usually mounted upstream of the boiler or tank. Years of experience have allowed us to refine earlier designs and create a new pump of the highest quality.

Thanks to the use of the state-of-the-art technology, efficiency has been improved and energy consumption has been reduced compared to older designs.

The pump is equipped with a brass body and ceramic shaft, which makes it virtually failure-free.

Advantages:

- Robust design
- Quiet operation
- Smooth and easy operation
- Easy installation
- Pump equipped with a bale with a plug

EAN	Model	Speed	Head (m)	Flow (l/min)	Amperage (A)	Power (W)	Liquid temperature (°C)	Connection / screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903111344368	CPI 15–15	1	1,7	7,5	0,3	28	2–95	½	85	1,6

E-IBO 15-14 | E-IBO PRO 15-14

E-IBO 15-14

E-IBO PRO 15-14

Energy-efficient, electronic circulator pumps for hot water system. The E-IBO 15-14 and E-IBO pro 15-14 pumps are designed for continuous operation for forced circulation of hot water system and in small heating systems. The pumps can be used in ventilation and air-conditioning systems. The use of circulator pumps makes it possible to significantly reduce water consumption.

Characteristics

- The pump parameters can be adjusted automatically or manually to suit the characteristics of the installation.
- A spherical rotor made of Noryl ensures mobility in various planes
- Ceramic shaft, resistant to abrasion
- Body made of stainless steel
- Cable terminated with a plug

Advantages:

- Easy installation and start-up
- Low power consumption
- High energy efficiency has been achieved by using a permanent magnet in the motor rotor
- High ease of use
- Robust design
- Low level of pump and entire system noise

Technical data:

- Electric power supply:
  - E-IBO 15-14: 1~230 V +6%/-10%, 50 Hz PE
  - E-IBO PRO 15-14: 1~230 V +6%/-10%, 50Hz PE
- Power consumption: 3–9 W
- Motor protection: no
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 1 MPa
- Min. inlet pressure on the suction side:
  - E-IBO 15-14: 0,02 MPa
  - E-IBO PRO 15-14: 0,019 MPa
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Pumped liquid temperature range: 2–95°C

EAN	Model	Speed	Head (m)	Flow (l/min)	Power (W)	Connection / screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887206594	E-IBO 15-14	AUTO	1,2	12	9	½	72	1
5903887248921	E-IBO PRO 15-14	AUTO	1,2	10	9	½	72	1

EBO 15-15

NEW

SERWIS 48

EBO 15-15 pumps are designed for continuous operation in water circulation. The pump is intended for drinking water only.

Advantages:

- Easy installation and start-up
- Low power consumption
- High energy efficiency has been achieved by using a permanent magnet in the motor rotor
- High ease of use
- Robust design
- Compared to a traditional circulation pump, the energy consumption of the EBO 15-15 series pump is very low and can reach up to 2 W depending on the installation

Technical data:

- Electric power supply: 1~230 V +6%/-10%, 50 Hz PE
- Power consumption: 2–9 W
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system pressure: 10 bar
- Min. inlet pressure on the suction side:
  - < 85°C – 0,20 bar – 2 m water column
  - < 90°C – 0,28 bar – 2,8 m water column
- Acoustic pressure of pump in operation: 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Pumped water temperature range: 2–90°C

EAN	Model	Head (m)	Flow (l/min)	Power (W)	Connection / screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5903887259293	EBO 15-15	1,2	10	9	½	72	1

EPI 15-15

National Institute of Public Health NIH – National Research Institute Hygienic Certificate

The EPI 15-15 pumps are designed for continuous operation in water circulation. Pump intended only for drinking water.

Technical data:

- Permissible ambient temperature from 1°C to 40°C
- Maximum permissible air humidity (RH) 95%
- To prevent water vapour condensation on the control panel and on the stator, the temperature of the pumped water must always be higher than the ambient temperature

Advantages:

- Low power consumption. High energy efficiency has been achieved through the use of a permanent magnet in the motor rotor. Compared to a conventional circulator pump, the energy consumption of the EPI 15-15 series pump is very low and can even be as little as 7 W, depending on the system
- Low level of pump and entire system noise

Technical data:

- Voltage: 1 × 230 V + 6%/-10%, 50 Hz
- Motor protection: no need for additional motor protection
- Ingress Protection grade: IP44
- Insulation class: F
- Max. ambient relative humidity: ≤ 95%
- Max. central heating system systems pressure: 1 MPa
- Min. inlet pressure on the suction side depending on the water temperature
  - Medium temperature: ≤ 85°C,≤ 90°C, ≤ 95°C
  - Min. inlet pressure: 0,02 MPa, 0,028 MPa, 0,5 MPa
- Compliance with the EMC standard: EN61000-3-2; EN61000-3-3
- Acoustic pressure of pump in operation: < 43 dB (A)
- Permissible ambient temperature: 0–40°C
- Pumped water temperature range: 2–90°C

EAN	Model	Head (m)	Flow (l/min)	Amperag (A)	Power (W)	Connection / screw connection diameter (inches)	Fitting length (cm)	Weight (kg)
5903887254014	EPI 15–15	1,2	8,33	0,03	7	½	11	1

OHI 15-60/130 BR
OHI 25-60/130 BR

OHI 15-60/130 BR

OHI 25-60/130 BR

Hot water system circulator pumps

Glandless, 3-speed circulator pumps designed for forcing hot water system circulation in larger installations.
The pump is mounted usually upstream of the hot water boiler or tank.

EAN	Model	Speed	Head (m)	Flow (l/min)	Power (W)	Connection/screw connection diameter (inches)	Connection spacing (mm)	Weight (kg)
5907222763858	OHI 15-60/130 BR	1 / 2 / 3	2,2 / 3,9 / 5,1	24 / 37 / 55	46 / 63 / 93	1 / ¾ (½)	130	2,6
5907222763872	OHI 25-60/130 BR	1 / 2 / 3	2,8 / 4,7 / 5,6	27 / 39 / 57	46 / 63 / 93	1½ / 1	130	2,8

IPML

Industrial pumps for cold and hot water

Pumps designed for systems with constant or variable flow, in which the temperature of the medium does not exceed 100°C* (80°C) and the pressure does not exceed 0,6 MPa. The pumps are most often used in heating and cooling systems. The pumps are not suitable for operation with glycol.

The smallest pump in the series, the IPML 25/125, can also be used for filling solar power systems. IPML 50/1100 and 50/2200 circulating pumps are intended for water containing non-abrasive and non-absorptive 0,27 kg/m^3 solid impurities.

Application:

- Residential and commercial building heating systems
- Medium- and low-flow HVAC systems
- Water circulation in domestic and commercial boiler rooms
- Water pipeline support systems
- Supplying and boosting water pressure in buildings
- Circulation of cold and hot domestic water
- Solar power systems and heat pumps

Characteristics:

- The use of advanced technologies and innovative design solutions
- Compact design: dimensions optimal for residential and commercial installations
- Flexible power supply: 230 V and 400 V models adapted to different installations
- Si/C mechanical seal: long service life and reliability
- Wide temperature range: 0–100°C for various applications
- Quiet operation: optimised for residential installations
- Cost-effective operation: low energy consumption coupled with high efficiency
- Various installation options: vertical or horizontal installation

Technical data:

- Max. liquid temperature 80/100°C
- Max. ambient temperature 40°C
- Insulation class B
- Operating mode– continuous
- Ingress Protection: – IP44
- Motor protection 230 V
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Pump body: cast iron
- Bearing body: cast iron
- Motor housing: aluminium
- Shaft and rotor: stainless steel AISI 304
- Impeller: brass (for IPML 50/1100)
- Impeller: cast iron (for IPML 50/1500)
- Mechanical seal: SiC/graphite/NBR

NEW Technical data:

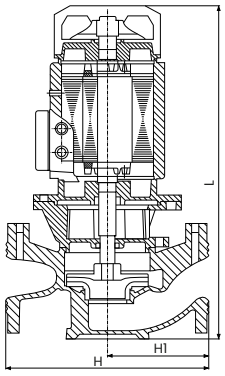
- Medium temperature: 0–100°C
- Max. operating pressure: 1,0 MPa
- Max. ambient temperature: 40°C
- Relative humidity: < 90%
- Voltage: 230 V / 50 Hz or 400 V / 50 Hz
- Ingress Protection grade: IP55
- Compact size
- Rotational speed of the electric motor: 2900 RPM

NEW Materials:

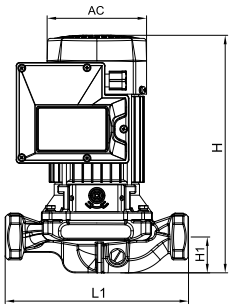
- Fan: plastic
- End cover: HT200
- Terminal box: ABS
- Rotor: SSI304 + 45#
- Impeller: SSI304 (stainless steel)
- Pump body: HT200
- Mechanical seal: SiC
- O-ring EPDM
- Motor winding: Cu / housing

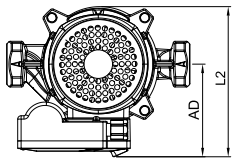
EAN	Model	Head (m)	Flow (l/min)	Power (W)	Voltage (V)	Current consumption (A)	Connections (inches/DN)	Connection spacing (mm)	Max. medium temperature (°C)	Weight (kg)
5903137510358	IPML 25/125	30	30	125	230	1,8	½	125	80 (100*)	8
5903887208604	IPML 25/750	28	106	750	230	5,2	1	280	80 (100*)	16
5903887208611	IPML 50/750	13	240	750	230	5	DN50	280	80 (100*)	18
5903887201384	IPML 50/1100	20	300	1100	230	7,4	DN50	280	80 (100*)	26
5903887208666	IPML 50/1500	22	350	1500	400	8,8	DN50	312	80 (100*)	33
5903887201391	IPML 50/2200	30	400	2200	400	3,6	DN50	312	80 (100*)	29
5903887208642	IPML 50/5500	55	380	5500	400	11,1	DN50	343	80 (100*)	65
5903887208628	IPML 65/3000	22	700	3000	400	6,4	DN65	343	80 (100*)	53,5
5903887208635	IPML 65/4000	34	880	4000	400	8,2	DN65	343	80 (100*)	59
5903887208659	IPML 80/5500	25	1100	5500	400	11,1	DN80	343	80 (100*)	69
5903887256087	IPML 25-14-0,37	16	75	0,37	230	1,7	1	215	80 (100*)	8
5903887256094	IPML 25-20-0,55	23	108	0,55	230	3,6	1	255	80 (100*)	13
5903887256100	IPML 25-26-0,75	29	125	0,75	230	5,1	1	275	80 (100*)	15
5903887256117	IPML 32-20-0,55	23	125	0,55	230	3,6	1¼	255	80 (100*)	13
5903887256124	IPML 32-18-0,75	29	142	0,75	230	5,1	1¼	275	80 (100*)	14,4
5903887256131	IPML 40-15-0,55	16,5	233	0,55	230	3,6	1½	315	80 (100*)	14,4
NEW 5903887256148	IPML 40-18-0,75	20	267	0,75	230	5,1	1½	315	80 (100*)	21,3
5903887256155	IPML 40-17-1,1	23	292	1,1	230	7	DN40 / PN6	315	80 (100*)	20,5
5903887256162	IPML 40-17-1,1 (400 V)	23	292	1,1	400	2,7	DN40 / PN6	315	80 (100*)	20,5
5903887256179	IPML 50-15-0,75	20	292	0,75	230	5,1	DN50 / PN6	315	80 (100*)	23,6
5903887256186	IPML 50-17-1,1 (400 V)	23	333	1,1	230	7	DN50 / PN6	315	80 (100*)	23
5903887256193	IPML 50-17-1,1	23	333	1,1	400	2,7	DN50 / PN6	315	80 (100*)	23

* up to 30 min



Model	H (mm)	H1 (mm)	L (mm)
IPML 25/125	255	160	219
IPML 25/750	282	141	372
IPML 50/750	280	140	372
IPML 50/1100	280	140	372
IPML 50/1500	312	156	397
IPML 50/2200	312	156	397
IPML 50/5500	360	180	610
IPML 63/3000	343	171,5	565
IPML 65/4000	356	178	615
IPML 80/5500	400	200	640





Uwaga: Rozmiar instalacji L1 będzie wynosił 260 mm po zmianie 2-calowego wylotu gwintowanego na kołnierz.

Model	L1	L2	H1	H	AC	DC
IPML 25-14-0,37	215	175	42	280	116	107
IPML 25-20-0,55	255	199	44	335	136	121
IPML 25-26-0,75	255	199	44	335	136	121
IPML 32-20-0,55	315	199	70	405	136	121
IPML 32-18-0,75	275	199	55	345	136	121
NEW IPML 40-15-0,55	275	199	55	345	136	121
IPML 40-18-0,75	315	199	70	405	136	121
IPML 40-17-1,1	315	199	70	405	136	121
IPML 40-17-1,1 (400 V)	315	199	70	405	136	121
IPML 50-15-0,75	315	199	70	405	136	121
IPML 50-17-1,1	315	199	70	405	136	121
IPML 50-17-1,1 (400 V)	315	199	70	405	136	121

IPTL

Hot and cold water pumps

NEW

This pump is designed for a wide range of applications involving supply of water and transfer of liquids. It can be used for applications such as: water supply and pressure boosting in high-rise buildings, pipeline support systems, HVAC and heating systems, cold and hot water circulation, supply of water to boilers, industrial circulation systems, etc. The pump may only be used to pump clean water, without fibres or solid particles inside, while hot water must be soft (water that does not contain or contains smaller amounts of soluble calcium and magnesium compounds).

Application:

- Transferring clean water and other liquids
- Water system, filtration, and transfer
- Pressure boosting and domestic hot water circulation
- Industrial applications and device support systems
- HVAC and fire systems
- Agricultural irrigation, etc.

Technical data:

- Max. ambient temperature: 40°C
- Liquid temperature: 0–100°C
- Max. operating pressure: 16 bar

Materials:

- Pump housing with anti-corrosion coating: cast iron
- Impeller: cast iron
- Shaft: stainless steel AISI 304
- Bearing: NSK
- Wear-resistant mechanical seal

Technical data:

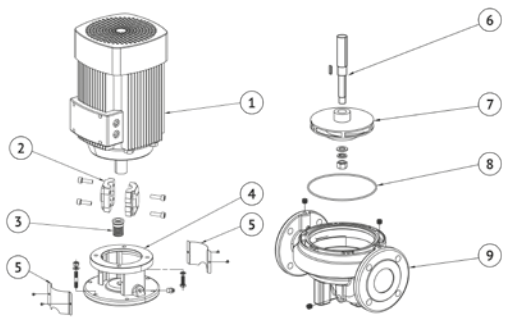
- High-efficiency IE3 motor
- Ingress Protection grade: IP55
- Insulation class: F
- Rotational speed: 2900 RPM

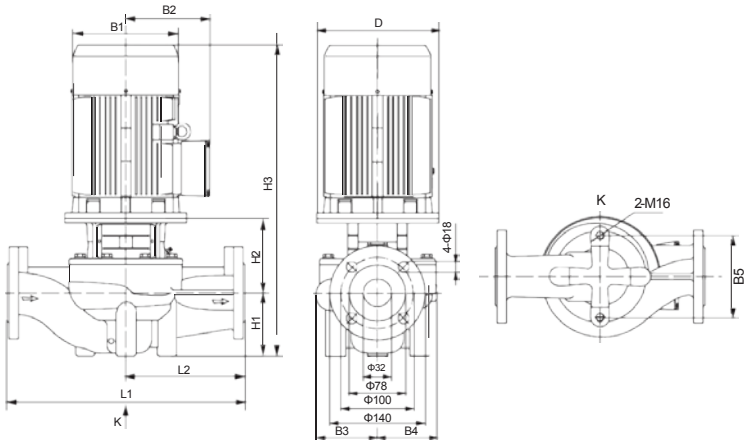
EAN	MODEL	Head (m)	Flow (l/min)	Power (W)	Voltage (V)	Amperage (A)	Connection spacing (mm)	Connection/ screw connection diameter (inch)	Effectiveness/ efficiency (%)	Suction capacity (m)	Weight (kg)
5903887256209	IPTL 32-18-1,1	20	208	1,1	400	2,43	320	DN32	50	2,5	30
5903887256216	IPTL 32-21-1,5	26	267	1,5	400	3,22	320	DN32	56	2,5	40
5903887256223	IPTL 32-26-2,2	29	267	2,2	400	4,58	320	DN32	57	2,5	37
5903887256230	IPTL 32-33-3	35	267	3	400	6,02	340	DN32	56	2,5	47
5903887256247	IPTL 32-40-4	42	267	4	400	7,84	360	DN32	45	2,5	64
5903887256254	IPTL 32-50-5,5	51,5	267	5,5	400	10,6	360	DN32	44	2,5	85
5903887256261	IPTL 40-16-1,1	20	267	1,1	400	2,43	320	DN40	61	2,5	29
5903887256285	IPTL 40-20-2,2	23	417	2,2	400	4,58	320	DN40	64	2,5	37
5903887256278	IPTL 40-21-1,5	24	267	1,5	400	3,22	315	DN40	59	2,5	33,6
5903887256292	IPTL 40-26-3	28	533	3	400	6,02	340	DN40	61	2,5	48
5903887256308	IPTL 40-30-4	35	533	4	400	7,84	340	DN40	63	2,5	54
5903887256315	IPTL 40-36-5,5	42,5	533	5,5	400	10,6	380	DN40	52	2,5	75
5903887256322	IPTL 40-48-7,5	52	417	7,5	400	14,4	380	DN40	56	2,5	80
5903887256339	IPTL 50-12-1,1	14	333	1,1	400	2,43	340	DN50	61	2,5	33,5
5903887256346	IPTL 50-15-1,5	17	417	1,5	400	3,22	340	DN50	66	2,5	39
5903887256353	IPTL 50-18-2,2	21	500	2,2	400	4,58	340	DN50	65	2,5	40,5
5903887256360	IPTL 50-24-3	26	500	3	400	6,02	340	DN50	65	2,5	49
5903887256377	IPTL 50-28-4	30	583	4	400	7,84	340	DN50	68	2,5	64
5903887256384	IPTL 50-32-3	36	333	3	400	6,02	400	DN50	48	2,5	52,8
5903887256391	IPTL 50-35-5,5	37	667	5,5	400	10,6	340	DN50	68	2,5	83

EAN	MODEL	Head (m)	Flow (l/min)	Power (W)	Voltage (V)	Amperage (A)	Connection spacing (mm)	Connection/ screw connection diameter (inch)	Effectiveness/ efficiency (%)	Suction capacity (m)	Weight (kg)
5903887256407	IPTL 50-39-4	41	333	4	400	7,84	400	DN50	47	2,5	58,8
5903887256414	IPTL 50-40-7,5	43	750	7,5	400	14,4	390	DN50	60	2,5	82
5903887256421	IPTL 50-49-5,5	52	333	5,5	400	10,6	400	DN50	46	2,5	85
5903887256438	IPTL 50-50-11	54	833	1,1	400	20,6	400	DN50	59	3	172
5903887256476	IPTL 65-15-2,2	18	667	2,2	400	4,58	340	DN65	66	3	43,5
5903887256483	IPTL 65-20-3	22	667	3	400	6,02	343	DN65	68	3	52
5903887256490	IPTL 65-22-4	26	833	4	400	7,84	343	DN65	71	3	58
5903887256506	IPTL 65-30-5,5	32	833	5,5	400	10,6	360	DN65	72	3	75
5903887256513	IPTL 65-34-7,5	39	1000	7,5	400	14,4	360	DN65	72	3	91
5903887256520	IPTL 65-37-5,5	40	583	5,5	400	10,6	395	DN65	58	3	87
5903887256537	IPTL 65-41-11	45	1000	11	400	20,6	395	DN65	64	3	178
5903887256544	IPTL 65-48-7,5	51	583	7,5	400	14,4	395	DN65	60	3	94
5903887256551	IPTL 65-51-15	54	1000	15	400	27,9	360	DN65	62	3	190
5903887256599	IPTL 80-13-3	18	1000	3	400	6,02	400	DN80	70	3	55,5
5903887256605	IPTL 80-18-4	22	1167	4	400	7,84	400	DN80	71	3	61,6
5903887256612	IPTL 80-23-5,5	29	1333	5,5	400	10,6	400	DN80	74	3	77,5
5903887256629	IPTL 80-29-7,5	34	1333	7,5	400	14,4	395	DN80	74	3	93,6
5903887256650	IPTL 80-32-11	37	1667	11	400	20,6	455	DN80	70	4,5	184
5903887256643	IPTL 80-38-15	43	1667	15	400	27,9	395	DN80	71	4,5	192
5903887256636	IPTL 80-41-11	43	1000	11	400	20,6	490	DN80	64	3	188
5903887256674	IPTL 80-48-15	50	1167	15	400	27,9	500	DN80	63	3	183
5903887256704	IPTL 100-9-2,2	14	1167	2,2	400	4,58	450	DN100	68	3	54
5903887256711	IPTL 100-15-4	19	1333	4	400	7,84	450	DN100	68	3	66
5903887256728	IPTL 100-17-5,5	22	1667	5,5	400	10,6	450	DN100	74	4	–
5903887256735	IPTL 100-22-7,5	26	1667	7,5	400	14,4	450	DN100	75	4	89
5903887256742	IPTL 100-27-11	32	2167	11	400	20,6	550	DN100	73	4	184
5903887256759	IPTL 100-33-15	38	2167	15	400	27,9	550	DN100	73	4	194
5903887256766	IPTL 100-40-18,5	44	2167	18,5	400	34,2	550	DN100	72	4	216

Materials table

No	Name	Material
1	motor	copper, aluminium, steel
2	coupling	ductile cast iron QT400
3	mechanical seal	graphite/silicon carbide/FPM
4	pump/motor connector	cast iron HT200
5	cover plate	stainless steel AISI 304
6	pump shaft	stainless steel AISI 420
7	impeller	cast iron HT200
8	o-ring	NBR
9	pump body	cast iron HT200





Model	Size (mm)											Waga (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
IPTL 32-18-1,1	136	155	123	101	101	144	90	135	511	320	160	30
IPTL 32-21-1,5	145	168	132	101	101	144	90	137	543	320	160	34
IPTL 32-26-2,2	145	168	132	101	101	144	90	137	568	320	160	37
IPTL 32-33-3	160	194	161	109	109	144	90	145	627	340	170	46
IPTL 32-40-4	160	220	175	128	128	144	100	151	642	360	180	68
IPTL 32-50-5,5	200	260	195	128	128	144	100	173	699	360	180	72
IPTL 40-16-1,1	136	155	123	98	95	120	68	139	493	320	160	29
IPTL 40-21-1,5	145	168	132	98	95	120	68	149	543	320	160	34
IPTL 40-20-2,2	145	168	132	105	95	144	85	144	570	320	160	37
IPTL 40-26-3	160	194	161	116	109	144	85	156	633	340	170	48
IPTL 40-30-4	160	220	175	116	109	144	85	156	632	340	170	54
IPTL 40-36-5,5	200	260	195	133	128	144	90	181	697	380	190	72
IPTL 40-48-7,5	200	260	195	133	128	144	90	181	697	380	190	78
IPTL 50-32-3	160	194	161	128	128	144	105	150	647	400	200	53
IPTL 50-39-4	160	220	175	128	128	144	105	150	646	400	200	59
IPTL 50-49-5,5	200	260	195	128	128	144	105	172	703	400	200	73
IPTL 50-12-1,1	136	155	123	114	101	144	105	135	526	340	170	33
IPTL 50-15-1,5	145	168	132	114	101	144	105	137	558	340	170	39
IPTL 50-18-2,2	145	168	132	114	101	144	105	137	583	340	170	41
IPTL 50-24-3	160	194	161	114	101	144	105	147	644	340	170	49
IPTL 50-28-4	160	220	175	118	109	144	105	152	648	340	170	67
IPTL 50-35-5,5	200	260	195	118	109	144	105	176	707	340	170	71
IPTL 50-40-7,5	200	260	195	142	138	144	105	175	706	400	200	81
IPTL 50-50-11	350	311	233	142	138	144	105	225	873	400	200	126
IPTL 50-60-15	350	311	233	171	163	144	115	225	883	440	220	148
IPTL 50-70-18,5	350	314	251	171	163	144	115	225	882	440	220	161
IPTL 50-81-22	350	355	267	171	163	144	115	225	918	440	220	236
IPTL 65-37-5,5	200	260	195	128	128	144	105	180	711	400	200	77
IPTL 65-48-7,5	200	260	195	128	128	144	105	180	711	400	200	83

Model	Size (mm)											Waga (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
IPTL 65-15-2,2	145	168	132	116	101	144	105	153	598,5	340	170	44
IPTL 65-20-3	160	194	161	116	101	144	105	163	660	340	170	52
IPTL 65-22-4	160	220	175	116	101	144	105	163	659	340	170	58
IPTL 65-30-5,5	200	260	195	131	115	144	105	194	725	360	180	75
IPTL 65-34-7,5	200	260	195	131	115	144	105	194	725	360	180	80
IPTL 65-41-11	350	311	233	148	138	144	105	234	882	400	200	130
IPTL 65-51-15	350	311	233	148	138	144	105	234	882	400	200	141
IPTL 65-61-18,5	350	314	251	174	162	160	125	228	895	475	238	162
IPTL 65-68-22	350	355	267	174	162	160	125	228	931	475	238	238
IPTL 65-85-30	400	397	299	174	162	160	125	231	1025	475	238	305
IPTL 80-41-11	350	311	233	137	128	144	115	221	879	500	250	132
IPTL 80-48-15	350	311	233	137	128	144	115	221	879	500	250	143
IPTL 80-13-3	160	194	161	134	112	144	105	171	668	400	200	56
IPTL 80-18-4	160	220	175	134	112	144	105	171	667	400	200	62
IPTL 80-23-5,5	200	260	195	134	112	144	105	195	726	400	200	78
IPTL 80-29-7,5	200	260	195	134	112	144	105	195	726	400	200	82
IPTL 80-32-11	350	311	233	159	138	144	115	240	898	450	225	136
IPTL 80-38-15	350	311	233	159	138	144	115	240	898	450	225	147
IPTL 80-47-18,5	350	314	251	159	138	144	115	240	897	450	225	159
IPTL 80-54-22	350	355	267	159	138	144	115	240	933	450	225	235
IPTL 80-67-30	400	397	299	180	162	160	115	242	1026	500	250	308
IPTL 80-13-3	160	194	161	134	112	144	105	171	668	400	200	56
IPTL 80-18-4	160	220	175	134	112	144	105	171	667	400	200	62
IPTL 80-23-5,5	200	260	195	134	112	144	105	195	726	400	200	78
IPTL 80-29-7,5	200	260	195	134	112	144	105	195	726	400	200	82
IPTL 80-32-11	350	311	233	159	138	144	115	240	898	450	225	136
IPTL 80-38-15	350	311	233	159	138	144	115	240	898	450	225	147
IPTL 80-47-18,5	350	314	251	159	138	144	115	240	897	450	225	159
IPTL 80-54-22	350	355	267	159	138	144	115	240	933	450	225	235
IPTL 80-67-30	400	397	299	180	162	160	115	242	1026	500	250	308
IPTL 100-9-2,2	145	168	132	134	101	160	105	178	624	450	225	51
IPTL 100-15-4	160	220	175	134	101	160	105	190	686	450	225	74
IPTL 100-17-5,5	200	260	195	146	118	144	120	199	745	450	225	82
IPTL 100-22-7,5	200	260	195	146	118	144	120	199	745	450	225	88
IPTL 100-27-11	350	311	233	147	123	144	140	260	943	550	275	141
IPTL 100-33-15	350	311	233	147	123	144	140	260	943	550	275	152
IPTL 100-40-18,5	350	314	251	181	152	230	140	270	952	550	275	169
IPTL 100-48-22	350	355	267	181	152	230	140	270	988	550	275	245
IPTL 100-52-30	400	397	299	181	152	230	140	270	1079	550	275	312

IGDL

Hot and cold water pumps

NEW

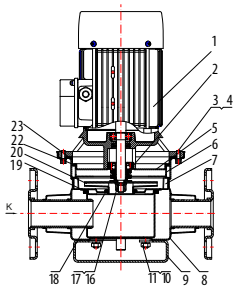
This pump is designed for a wide range of applications involving Wsupply of water and transfer of liquids. It can be used for applications such as: water supply and pressure boosting in high-rise buildings, pipeline support systems, HVAC and heating systems, cold and hot water circulation, supply of water to boilers, industrial circulation systems, etc. The pump may only be used to pump clean water, without fibres or solid particles inside, while hot water must be soft (water that does not contain or contains smaller amounts of soluble calcium and magnesium compounds).

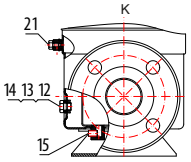
Application:

- Transferring clean water and other liquids
- Water system, filtration and transfer
- Pressure boosting and domestic hot water circulation
- Industrial applications and device support systems
- HVAC and fire systems
- Agricultural irrigation, etc.

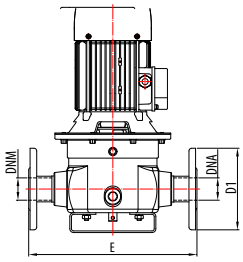
Technical data:

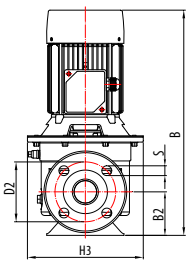
- High-efficiency IE3 motor
- Ingress Protection grade: IP55
- Insulation class: F
- For heating medium temperatur to 75°C, min. inlet pressure on the suction side is 0,4 bar / 4 m water column height
- For heating medium temperatur 90°C, min. inlet pressure on the suction side is 0,7 bar / 7 m water column height





Model	E	B	B2	H3	D1	D2	S	DNA	DNM
IGDL 40-8-0,37	305	415	80	210	150	110	18	40	40
IGDL 40-12-0,55	305	415	80	210	150	110	18	40	40
IGDL 40-16-0,75	305	415	80	210	150	110	18	40	40
IGDL 40-19-0,9	305	415	80	210	150	110	18	40	40
IGDL 50-9-0,55	310	455	80	210	165	125	18	50	50
IGDL 50-12-0,75	310	455	80	210	165	125	18	50	50
IGDL 50-16-1,1	310	455	80	210	165	125	18	50	50
IGDL 50-19-1,5	310	455	80	210	165	125	18	50	50





Materials table

No	Name	Material
1	motor housing	aluminium
2	mechanical seal	graphite, silicon carbide, FPM
3, 4	screws, washers	–
5	back cover	AISI304 steel
6	interwall	AISI304 steel
7	diffuser	AISI304 steel
8	pump body	AISI304 steel
9	pump body support	steel
10, 11	screws washers	–
12, 13, 14	priming screw, washer seal	–
15	fixing screw	–
16, 17	spring washer, impeller nut	AISI304
18	impeller chamber sealing ring	–
19	o-ring	–
20	impeller	AISI304 steel
21	impeller chamber vent	–
22	rubber washer	–
23	o-ring	–

EAN	Model	Head (m)	Flow (l/min)	Voltage (V)	Power (kW)	Amperage (A)	Weight (kg)
5903887259064	IGDL 40-8-0,37 (230 V)	10	200	230	0,37	2,45	12
5903887259071	IGDL 40-8-0,37 (400 V)	10	200	400	–	0,89	–
5903887259095	IGDL 40-12-0,55 (230 V)	15	250	230	0,55	3,5	14
5903887259088	IGDL 40-12-0,55 (400 V)	15	–	400	–	1,24	–
5903887259101	IGDL 40-16-0,75 (230 V)	18	250	230	0,75	4,53	15
5903887259118	IGDL 40-16-0,75 (400 V)	18	–	400	–	1,64	–
5903887259132	IGDL 40-19-0,9 (230 V)	22	320	230	0,9	5,05	15,5
5903887259125	IGDL 40-19-0,9 (400 V)	22	–	400	–	1,94	–
5903887259149	IGDL 50-9-0,55 (230 V)	12	320	230	0,55	3,5	14
5903887259156	IGDL 50-9-0,55 (400 V)	12	–	400	–	1,24	–
5903887259170	IGDL 50-12-0,75 (230 V)	15	320	230	0,75	4,35	15
5903887259163	IGDL 50-12-0,75 (400 V)	15	–	400	–	1,64	–
5903887259187	IGDL 50-16-1,1 (230 V)	19	400	230	1,1	6,35	18,2
5903887259194	IGDL 50-16-1,1 (400 V)	19	–	400	–	2,31	–
5903887259217	IGDL 50-19-1,5 (230 V)	22	400	230	1,5	8,76	20
5903887259200	IGDL 50-19-1,5 (400 V)	22	–	400	–	3,03	–

GP PRO BO | GP PRO 3D-S | GP PRO 3D-T

NEW

The IBO GP PRO BO, IBO GP PRO 3D-S, and IBO GP PRO 3D-T pump groups are comprehensive solutions for distribution of hot water generated by heating equipment. The different versions can be used in various configurations, depending on the requirements of a particular system. These groups are equipped with thermal insulation to prevent the system from cooling down, while compact connections make the installer's work easier.

The IBO GP PRO groups are supplied with Beta 2, MAGI, IVO, AMG, or iQ PR API pumps. The spacing corresponding to the IBO GP PRO groups is 25-xx/180.

Technical data:

- Upper connection:1" female thread
- Lower connection: 1½" male thread
- Length/pump connection: 180 mm/2 × 1½" female thread
- Parts (material): steel and brass, expanded polypropylene insulation
- Sealing materials: PTFE, asbestos-free fibre gasket, (EPDM)
- Set point temperature range: GP PRO 3D-T: 25–55°

IBO GP PRO BO pump group with direct circulation, for use in systems in which the temperature of the medium transferred to the receiver does not need to be changed.

Includes:

- shut-off valve with thermometer and half-union: 2 pcs.
- shut-off valves with half-union: 1 pc.
- return connector: 1 pc.
- front and rear insulation

Used for feeding domestic hot water tanks, heat buffer charging and low-temperature systems.

IBO GP PRO 3D-S pump group with a circuit equipped with a 3-way valve with an actuator STER-D, for use in systems in which the temperature of the medium transferred to the receiver needs to be changed. The group makes it possible to control the temperature via an electric actuator, provided that it is connected to an external controller, e.g. a boiler or heat pump controller. The STER-D actuator has a manual control function.

Includes:

- shut-off valve with thermometer and half-union: 2 pcs.
- 3-way valve with half-union: 1 pc.
- mixing valve actuator
- return connector: 1 pc.
- front and rear insulation

Suitable for heater systems, low-temperature systems, underfloor heating systems and return protection systems.

IBO GP PRO 3D-T pump group with a circuit equipped with a 3-way thermostatic valve, for use in systems in which the temperature of the medium transferred to the receiver needs to be changed. A group with a thermostatic valve allows temperature control by manually setting the temperature within the range of 25–55°C.

Includes:

- shut-off valve with thermometer and half-union: 2 pcs.
- 3-way thermostatic valve with half-union: 1 pc.
- return connector: 1 pc.
- front and rear insulation

Suitable for heater systems, low-temperature systems, underfloor heating systems.

EAN	Pump group + pump	Temperature range (°C)	Max. operating temperature (°C)	Max. operating pressure (bar)	KVS (m^3/h)	Weight (including the pump) (kg)
5903887255332	GP PRO BO + AMG 25-60/180	0–100	100	5	10	5–6
5903887255370	GP PRO BO + API 25-60/180	0–100	100	5	10	5–6
5903887255349	GP PRO BO + BETA 2 25-60/180	0–100	100	5	10	5–6
5903887255356	GP PRO BO + IVO 25-60/180	0–100	100	5	10	5–6
5903887255363	GP PRO BO + MAGI 2 25-60/180	0–100	100	5	10	5–6
5903887255233	GP PRO 3D-S + AMG 25-60/180	0–100	100	5	8	5–6
5903887255271	GP PRO 3D-S + API 25-60/180	0–100	100	5	8	5–6
5903887255240	GP PRO 3D-S + BETA 2 25-60/180	0–100	100	5	8	5–6
5903887255257	GP PRO 3D-S + IVO 25-60/180	0–100	100	5	8	5–6
5903887255264	GP PRO 3D-S + MAGI 2 25-60/180	0–100	100	5	8	5–6
5903887255288	GP PRO 3D-T + AMG 25-60/180	0–100	100	5	3,5	5–6
5903887255325	GP PRO 3D-T + API 25-60/180	0–100	100	5	3,5	5–6
5903887255295	GP PRO 3D-T + BETA 2 25-60/180	0–100	100	5	3,5	5–6
5903887255301	GP PRO 3D-T + IVO 25-60/180	0–100	100	5	3,5	5–6
5903887255318	GP PRO 3D-T + MAGI 2 25-60/180	0–100	100	5	3,5	5–6

Manifolds GP PRO

NEW

System manifold for 2 or 3 heating circuits, designed for IBO GP PRO pump groups: BO, 3D-S, 3D-T.

The system manifold is used to expand heating circuits. It saves space and ensures quick and convenient construction of the heating system.

The manifold is equipped with mounting brackets that enable wall mounting. The standard sizes of the manifold connections allow it to be installed with other pump groups available on the market with 125 mm spacing.

Size (non-insulated):
- 2 circuits: 450/180/60 mm (L/H/W)
- 3 circuits: 750/180/60 mm (L/H/W)
- 4 circuits: 1050 / 180 / 60 mm (L/H/W)
- 2 + 1 circuit: 750 / 180 / 60 mm (L/H/W)
- 3 + 2 circuits: 750 / 180 / 60 mm (L/H/W)

Size (insulated):
- 2 circuits: 500/180/135 mm (L/H/W)
- 3 circuits: 750/180/135 mm (L/H/W)
- 4 circuits: 1100 / 180 / 60 mm (L/H/W)
- 2 + 1 circuit: 500 / 180 / 60 mm (L/H/W)
- 3 + 2 circuits: 800 / 180 / 60 mm (L/H/W)

Dimensions including insulation may vary slightly depending on the available versions.

Technical data:

- EPDM sealing
- Max. operating temperature: 110°C
- Max. operating pressure: 5 bar
- Max. flow rate: 3 m^3/h

	EAN	Model	Max. power at ΔT (kW)	Upper connection (inch)	Lower connection (inch)	Centre-to-centre distance (mm)
	5903887215152	Manifolds GP PRO 2 circuits	50	1½ GW	1½ GW	125
	5903887217231	Manifolds GP PRO 3 circuits	50	1½ GW	1½ GW	125
	5903887259385	Manifolds GP PRO 4 circuits	50	1½ GW	1½ GW	125
NEW	5903887259361	Manifolds GP PRO 2 + 1 circuit	50	1½ GW	1½ GW	125
	5903887259378	Manifolds GP PRO 3 + 2 circuits	50	1½ GW	1½ GW	125

Vertical coupling SP-S GZ | SP-S GWs

NEW

The SP-S vertical coupling from IBO is a compact and functional solution for heating systems, designed for installation between the heat source and the system's circuits. Its main function is to balance the system and equalize pressure between the circuits, which translates into stable and efficient operation of the entire system.

The device allows for independent operation of heating circuits and optimizes the operation of circulation pumps, especially in systems with multiple receivers or variable heat demand.

The SP-S vertical coupling complements the IBO brand's offering for IBO GP PRO manifolds and pump groups.

Equipment:

- Automatic air vent – facilitates air removal from the system
- Drain valve – for removing contaminants and refrigerant from the system
- Thermometer – allows you to monitor the system's operating temperature
- Manometer – allows you to monitor the operating pressure
- Thermal insulation (front and rear) – protects against heat loss

Available versions:

- SP-S GWs 1" 50 kW 1:1 – version with 1" internal threads and movable nuts (gasket seal)
- SP-S GZ 1" 50 kW 1:1 – version with 1" external threads

Both versions allow for the connection of a single power source and a single heat collection circuit.

Application:

- Balancing the system when switching off some receivers
- Separating the heat source system from the receiver (does not function as a heat exchanger!)
- Stabilizing pump operation in
- Integrating underfloor heating with gas boilers

Dimensions:

- Total height: 490 mm
- Height without valve and vent: 390 mm
- Spool diameter: 2180 mm
- Spool width: 1115 mm

EAN	Model	Power (kW)	Max. working temperature (°C)	Max. working pressure (bar)	Connection spacing – heat source (mm)	Connection spacing – receiver (mm)	Water uniformity coefficient (%)	Weight (kg)
5903137518453	SP-S GZ	50	95	3	140	210	≥ 85	3
5903887215169	SP-S GWs	50	95	3	140	210	≥ 85	3

Horizontal coupling SP-S GP PRO

NEW

The horizontal hydraulic separator is a compact heating system component that stabilizes flow and equalizes pressure differences between the heat source and the circuits with pump groups, ensuring quiet, trouble-free operation of the manifolds and the entire system.

Applications:

- Central heating system with multiple heating circuits (radiators, underfloor heating, mixed circuits), where hydraulic separation of the heat source circuit from the circuits with a manifold and pump groups is required.
- Boiler rooms with condensing boilers or heat pumps, where a stable temperature difference between the supply and return lines and protection against insufficient flow on the heat source side are important.
- Modifications of existing systems, where problems with uniform heating and circulation pump operation arise after adding additional circuits.
- Systems requiring reduction of flow noise, cavitation, and excessive pressure fluctuations in the manifolds for pump groups.
- Compact boiler rooms, where space constraints require a mini horizontal hydraulic separator connected directly to the manifold.

A horizontal hydraulic separator for manifolds and pump groups improves the system's operational stability and ensures proper flow distribution between the heat source and the heating circuits.

EAN	Model	Flow (m^3/h)	Power (kW)	Max. working temperature (°C)	Max. working pressure (bar)	Connection spacing (mm)	Connections (cale)
5903887259392	SP-S GP PRO	3	50	110	5	125	1½

* For exact values, always check the documentation for the specific model.

Manifolds IRP INOX

NEW

Manifolds IRP INOX are designed as installation components for internal domestic water systems in residential and commercial buildings. Their purpose is to evenly distribute water to individual system circuits and enable individual flow control.

Depending on the model, Manifolds IRP INOX are designed for 2 to 12 independent circuits.

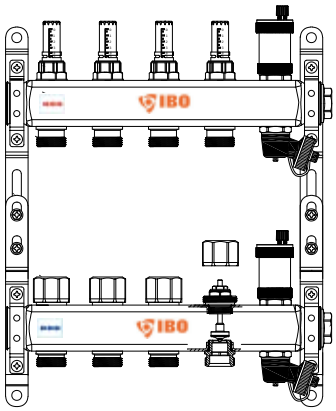
Thanks to the use of high-quality stainless steel and components with certified hygiene parameters, the device can also be used in drinking water systems – provided fittings and seals with the appropriate hygiene certificate are used.

The manifold can be used in systems such as:

- hot water system
- distributing cold and hot water to multiple draw-off points
- domestic water systems with local flow control in the circuits. Not intended for central heating system

Technical data:

- Operating medium: water or water-glycol s olution up to 30%
- Flowmeter: kvs 0,3 m^3 – adjustable flow
- Number of sections: 2–12
- Thermostatic valve: 30 × 1,5 thread for actuator mounting



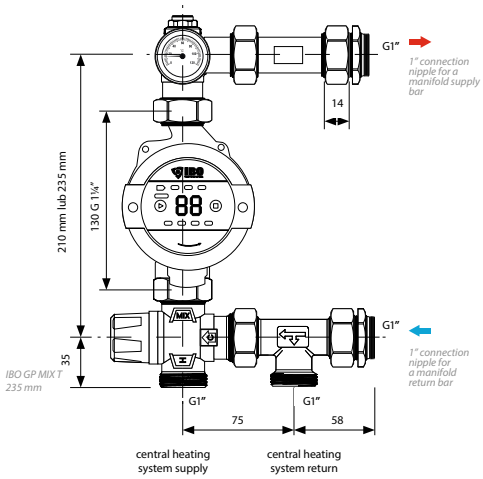
EAN	Model	Circuits (amount)	Working temperature (°C)	Working pressure (bar)	Connection spacing (mm)	Connections (cale)	Manual air bleeder (inches)	Drain valve (inches)
–	IRP INOX-2	2	70	6	180–240	1 GW	½	½
–	IRP INOX-3	3	70	6	180–240	1 GW	½	½
–	IRP INOX-4	4	70	6	180–240	1 GW	½	½
–	IRP INOX-5	5	70	6	180–240	1 GW	½	½
–	IRP INOX-6	6	70	6	180–240	1 GW	½	½
–	IRP INOX-7	7	70	6	180–240	1 GW	½	½
–	IRP INOX-8	8	70	6	180–240	1 GW	½	½
–	IRP INOX-9	9	70	6	180–240	1 GW	½	½
–	IRP INOX-10	10	70	6	180–240	1 GW	½	½
–	IRP INOX-11	11	70	6	180–240	1 GW	½	½
–	IRP INOX-12	12	70	6	180–240	1 GW	½	½

GP MIX T

Manifold pump group
210 mm | 235 mm

IBO GP MIX T
210 mm

IBO GP MIX T
235 mm



Pump set designed for installation with under-floor heating manifolds and radiator manifolds with 210 mm or 235 mm spacing. The module can be mounted on manifolds where the maximum required flow rate is not higher than 2,5 m³/h.

The GP MIX T pump group is a set that maintains a constant temperature supplied to the heating system.

The GP MIX T group consists of a MIX T 25-20/43 Z thermostatic mixing valve and 1½" pump screw connections with 130 mm spacing, a thermometer, a connection tee, and 1" manifold connection components.

The pump is not included in the supply.

The GP MIX T set must be equipped with a 25- 40/130, 25-60/130 or 25-80/130 pump.

The following models are recommended for use with the pump group:

- AMG 25-60/130
- Magi 2 25-60/130
- NOVA 25-60/130
- Beta 2 25-60/130
- IPRO API 25-80/130

EAN	Model	Flow (m^3/h)	Working temperature (°C)	Max. working temperature (°C)	Max. working pressure (bar)	Connection spacing (mm)	Connections (inches)	Weight (kg)
5903887252379	IBO GP MIX T 210 mm	42	20–43	95 (110)	5	130	1	–
5903887254052	IBO GP MIX T 235 mm	42	35–60	95 (110)	5	235	1	–

IBOMAT API 25/45-50-55

The IBOMAT API 25/45-50-55 return protection pump group is a comprehensive solution for protecting a boiler against low-temperature corrosion. It is designed for direct mounting on the water exchanger return pipe. The distance between the pipe axis and the wall must be at least 100 mm to allow the insulation to be removed if necessary. The IBOMAT is intended for fireplaces
with water exchangers and solid fuel boilers.

Set contents

Return protection group (TSV3 valve, iQ PR API circulating pump with a power cable, half-union with a valve, group insulation with a thermometer).

Application

For solid fuel boilers and fireplaces; prevents corrosion at low temperatures.

Characteristics

Maintaining the temperature of the return flow from the system to the boiler or fireplace by means of a thermostatic valve.

Technical data:

- Operating temperature: 5–95°C
- Ambient temperature: 5–40°C
- Valve opening temperature: 5°C
- Max. ambient humidity: 80 %
- Max. operating pressure: 6 bar
- Min. operating pressure: 0,5 bar
- Medium: water, max. 50% solution
- Insulating material EPP RG 60 g/l

EAN	Model	Max. boiler power (kW)	Voltage (V)	Opening temperature (°C)	Kvs flow coefficient from A to AB (m^3/h)	Kvs flow coefficient from B to AB (m^3/h)	Connections (inches)	Dimensions (mm)	Weight (kg)
5903887252287	IBOMAT API 25/45	46	230	45	6,2	4,4	3 × GW 1F	325 / 140 / 220	3,25
5903887252270	IBOMAT API 25/50	42	230	50	6,2	4,4	3 × GW 1F	325 / 140 / 220	3,25
5903887252263	IBOMAT API 25/55	36	230	55	6,2	4,4	3 × GW 1F	325 / 140 / 220	3,25

Installation equipment

IS
ZW
Pressure reducers
Foot valve for pressure vessels
IBV-2
IW antifreeze valve
MIX 1
MIX 2
MIX 3 | MIX 4
STER-D mixing valve actuator
WI-FI smart valve
VT
S-150 IMV Controller
IMV
MIX T
MIX TVR
IBF-01 Filter
I-004 | I-005 Filters
IBF-07 | IBF-08 MAX | IBF-12 Filters
I-003 Filters
I-001 | I-002 | IBF-05 | IBF-06 Filters
IBF-04 Filter
IBF-09 Filter
IBF-V Filter
IBF-V2 Filters
IBF-10 Filters
IBF-10 Filters
Oblique Sediment Filters
Filling, flushing and venting station
ZS
FLUSH 20 | FLUSH 20 PRO | FLUSH 40 pumps
CLEANER IC-1
CLEANER IC-2
CLEANER IC-3 FLUSH
PROTECTOR IP-1

IS

Check valves

IS check valves with brass stems are equipped with damping inserts that prevent sound transmission to the system. Streamlined and widened design ensures increased flow.

EAN	Model	Temperature (°C)	Max. inlet pressure (bar)	Insert	Weight (g)
5903887252492	IS ¾"	(-15)–120	16	Brass	176
5903887249089	IS 1"	(-15)–120	16		254
5903887249096	IS 1¼"	(-15)–120	16		373

ZW

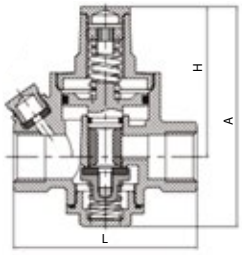
Check valves

Check valves in sizes of ¾", 1", and 1¼ " are equipped with a sleeve that reduces noise during valve operation.

EAN	Model	Temperature (°C)	Max. inlet pressure (bar)	Insert	Weight (g)
5903887202770	ZW ½"	(-15)–120	16	Brass	130
5903887207812	ZW ¾"	(-15)–120	16		205
5903137510266	ZW 1"	(-15)–120	16		250
5903137510273	ZW 1¼"	(-15)–120	16		410
5903137511881	ZW 1½"	(-15)–120	16		660
5903887207829	ZW 2"	(-15)–120	16		1000
5903137517258	ZW 2½"	(-15)–120	16		1900
5903137517265	ZW 3"	(-15)–120	16		2700
5903137517272	ZW 4"	(-15)–120	16		3500

Pressure reducers

Can be supplemented by a pressure gauge to be bought separately



A series of brass reducers designed for water and air systems to regulate inlet pressure. Additionally, it protects the system against pressure surges. It features compact dimensions and low noise levels.

EAN	Model	Connections (inch)	Max. inlet pressure (bar)	Outlet pressure (bar)	Temperature (°C)	Insert	Filter	L (mm)	H (mm)	A (mm)	Weight (g)
5903887209717	DN15	½	16	1–6	0–85	Brass	Stainless steel AISI 309	79,5	63	92	510
5903887209663	DN20	¾	16	1–6	0–85			79,5	63	92	530
5903887209670	DN25	1	16	1–6	0–85			85	78	112	786
5903887209687	DN32	1¼	16	1–6	0–85			85	78	115	830
5903887209694	DN40	1½	16	1–6	0–85			96	102	150	1603
5903887209700	DN50	2	16	1–6	0–85			115	102	178	1974

Foot valve for pressure vessels

The valve is designed for use as a mounting element for pressure vessels in central heating system and hot water system. It enables quick installation and removal of the vessel for maintenance or replacement. The valve prevents liquid from flowing out of the system during the removal of the vessel.

EAN	Model	Max. temperature (°C)	Max. pressure (bar)
5903887206860	IBV-2	100	10

IBV–2

Thermostatic cooling valve in insulation

A 2-way cooling thermostatic valve is used to protect the heat source from overheating in a central heating system. The brass-bodied valve is equipped with two thermostatic modules. Once the limit temperature is reached, the drain valve opens and allows the overheated water to be drained from the heat source into the sewage system. At the same time, the valve supplying water from the water supply network is opened. When the temperature drops below the limit value, both valves close simultaneously. A 2-way thermostatic valve is not a replacement for a safety valve

It is intended for boilers with a maximum power of 500 kW with final cooling up to 100 kW (in accordance with EN 303-5:2012).

It must not be installed with the valve head facing downwards.

Boiler technical data:

- Max. boiler capacity – opening of two elements: 220 kW
- •Max. boiler capacity – opening of one element: 140 kW

EAN	Model	Max. temperature (°C)	Opening temperature (°C)	Max. pressure on the boiler side (bar)	Max. pressure on the water side (bar)	Kvs at 110°C – opening of two modules (m^3/h)	Kvs at 110°C – opening of one module (m^3/h)	Weight (kg)
5903887254885	IBV-2	110	97 (± 2)	4	6	2	1,3	0,75

IW antifreeze valve

The IW series anti-freeze valves for water are designed for installation in systems that use monoblock heat pumps to protect them against refrigerant thickening and freezing.

The three-part design simplifies maintenance work – a foot valve is installed between the valve body and the insert.

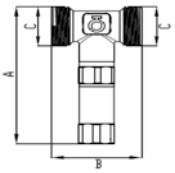
Characteristics:

- Brass body and thermal element
- Operation within a narrow temperature range
- The foot valve ensures reliable, tight shut-off
- Operation only under temperature change
- No effect of pressure changes

- Easy installation with a pipe wrench
- Removes the minimum amount of water required to prevent damage caused by freezing

Technical data:

- Medium operating range: 0–65°C
- Operating range (external temp.): -30–65°C



EAN	Model	Flow rate (m^3/h)	Opening temperature (°C)	Closing temperature (°C)	Full valve opening	Max. outlet (m^3/h)	Maximum pressure (m^3/h)	A (mm)	B (mm)	C Connection (inch)
5903137517463	IW 1"	10	3	4	1	1	8	107	58	1
5903137517470	IW 1¼"	16	3	4	1	1	8	115	58	1¼
5903137517487	IW 1½"	25	3	4	1	1	8	121	58	1½

MIX 1 UNI CONTROL

NEW

The MIX 1 UNI CONTROL zone valve is used to shut off the inflow of medium and is used in water, heating, air-conditioning and ventilation systems, as well as in heat pump systems and water leak control systems.

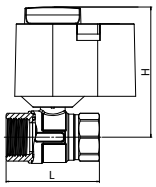
The valve is supplied with an electric controller that enables automatic operation in accordance with the demand of the device or the regulator to which it is connected.

The valve has a female thread.

The control signal for the IBO MIX 1 Uni Control valve is 2P/3P in one, and the installer can select the type of control suitable for their application/ control system. The actuator automatically recognises the method of cable connection.

Materials:

- Brass EN 12165
- CW617N



EAN	Model	KVS (m^3/h)	Voltage (V)	Max. operating temperature (°C)	Max. glycol concentration (%)	Max. differential pressure (bar)	Max. operating pressure (bar)	L (mm)	H (mm)
5903887261548	MIX 1 UNI CONTROL DN15 NC*	20	230	120	> 50	6	32	62	104
5903887261562	MIX 1 UNI CONTROL DN20 NC*	45	230	120	> 50	6	32	68	110
5903887261586	MIX 1 UNI CONTROL DN25 NC*	60	230	120	> 50	6	32	81	113
5903887261555	MIX 1 UNI CONTROL DN15 NO*	20	230	120	> 50	6	32	62	104
5903887261579	MIX 1 UNI CONTROL DN20 NO*	45	230	120	> 50	6	32	68	110
5903887261593	MIX 1 UNI CONTROL DN25 NO*	60	230	120	> 50	6	32	81	113

*NC – normally closed, NO – normally open

MIX 1

Shut-off valve with actuator

The MIX 1 zone valve is used to close the supply of medium. It can be used in water, heating and air-conditioning systems. The MIX 1 shut-off valve is supplied with an electric controller enabling automatic operation in accordance with the demand of the regulator of the device to which it is connected.

The valve has a female thread.

The valve actuator can be controlled manually by pressing the switch button. To unlock the automatic mode, release the button.

Materials:

- Nylon
- CW617N

EAN	Model	KVS (m^3/h)	Max. operating pressure (bar)	Max. operating temperature (°C)	Max. glycol concentration (%)
5903887254205	MIX 1 DN15 NC*	20	30	120	50
5903887254212	MIX 1 DN20 NC*	45	30	120	50
5903887254229	MIX 1 DN25 NC*	60	30	120	50
5903887254175	MIX 1 DN15 NO*	20	30	120	50
5903887254182	MIX 1 DN20 NO*	45	30	120	50
5903887254199	MIX 1 DN25 NO*	60	30	120	50

*NC – normally closed, NO – normally open

MIX 2 N

NEW

The IBO MIX 2N zone valve is used to change the direction of flow in water, heating and air-conditioning systems. The MIX 2 N zone valve is supplied with an electric controller enabling automatic operation, in accordance with the demand of the regulator of the device to which it is connected.

The valve actuator is mounted on the valve using a clip and does not require the use of any tools.

In addition, the IBO actuator features an **anti-block,** function that changes the direction of operation in the event of a drive blockage.

Materials:

- PPS composite
- CW617N
- O-ring: PTFE
- Sealing ring: PA66 +

EAN	Model	KVS (m^3/h)	Max. operating temperature (°C)	Max. operating pressure (bar)	Max. glycol concentration (%)
5903887261012	MIX 2 N DN25	8	120	10	50
5903887261029	MIX 2 N DN32	12	120	10	50

MIX 2

Max. glycol concentration

The MIX 2 zone valve is used to change the direction of flow in water, heating and air-conditioning systems. The IBO zone valve is supplied with an electric controller enabling automatic operation in accordance with the demand of the regulator of the device to which it is connected.
The valve actuator is mounted on the valve using a clip and does not require the use of any tools.
In addition, the IBO actuator features an anti-block function that changes the direction of operation in the event of a drive blockage.

Materials:

- PPS composite
- CW617N
- O-ring: PTFE
- Sealing ring: PA66 +

EAN	Model	KVS (m^3/h)	Max. operating temperature (°C)	Max. operating pressure (bar)	Max. glycol concentration (%)
5903887248839	MIX 2 DN25	8	120	10	50
5903887248846	MIX 2 DN32	12	120	10	50

MIX 3 | MIX 4

3-way and 4-way valves

The 3-way mixing and distribution valves are designed for central heating system , cooling or domestic hot water system. They are commonly used as mixing valves to adjust the temperature of the water supply in central heating system or hot water system. The required supply temperature is achieved by mixing the medium from the boiler supplying the system with the return medium. They can also be used as distribution or switching valves.

The 4-way mixing valves are used to adjust water temperature in the system. An additional advantage is the increase in the temperature of the return to the boiler, which makes the boiler more resistant to corrosion.

Compact 3- and 4-way mixing valves can be operated manually using a handle or electrically by means of an actuator. The 3- and 4-way valves are designed for central heating system. Mixing valves are perfectly suited for systems in which precise central heating system supply temperature or boiler return protection is required, as well as in many other applications.

The MIX3 and MIX4 valves can be controlled manually or automatically using a mixing valve actuator.

It is recommended to install a STER-D actuator.

Material:

- brass CW617N

Valve Components:

- Valve body
- Valve cover
- Position indicator
- Valve head
- Position change knob
- Knob fixing screw
- O-ring

EAN	Model	Kvs (m^3/h)	Max. operating pressure (MPa)	Max. operating temperature (°C)	Rotation time (s)	Rotation angle (°)	Max. glycol concentration (%)
5903887248853	MIX 3 DN20	6,3	1	110	8	60	50
5903887248860	MIX 3 DN25	10	1	110	8	60	50
5903887248877	MIX 3 DN32	16	1	110	8	60	50
5903887248853	MIX 4 DN20	6,3	1	110	8	60	50
5903887248860	MIX 4 DN25	10	1	110	8	60	50
5903887248877	MIX 4 DN32	16	1	110	8	60	50
–	MIX 4 DN40	25	1	110	8	60	50
–	MIX 4 DN50	40	1	110	8	60	50

STER-D mixing valve actuator

The STER-D mixing valve actuator is designed for installation with 3- and 4-way mixing valves and for controlling flow through them. The actuator control is 3-point with a voltage of 230 V; after connection to the control unit and installation with a mixing valve, it will enable automatic operation and temperature control of the fluid in the system.

Technical data:

- Ingress Protection grade: II
- Ingress Protection grade: IP42
- Cable: 3 × 0,75 mm^2/100 cm

EAN	Model	Voltage (V)	Amperage (A)	Operating temperature range (°C)	Max. torque	Rotation angle (°)	Position change time (s)
5903887248914	STER-D	230	5	0–50	6	90	120

Smart valves

The WI-FI series electric valves are suitable for controlling water flow in irrigation, heating and air-conditioning systems.

The device consists of a ball valve, an actuator and a Wi-Fi control module connected to a mobile phone application. The actuator is driven by a motor that changes the setting of the ball valve rotating up to 90° (fully open/closed). In addition to the closed and open positions, the flow through the valve can be changed in increments of 10% of the maximum flow rate with an accuracy of 5%. There is a "valve open/closed" indicator on the actuator body. The valve also has a manual closing or opening function, using a button located on the housing.

Thanks to the mobile application, it is possible to program a schedule according to which on a given day of the week, at a specific time, the valve should be opened and at what percentage of maximum flow as well as at what time it is to be closed. The min. time interval is 1 minute.

The longest time interval for programming the valve's operation is one week.

WI-FI SMART VALVE

WI-FI SMART VALVE with flood sensors

Smart life App Store

Smart life Google Play

Full control thanks to the combination of the Tuya Smart or SmartLife mobile app (recommended), utilising the MCU microcomputer control technology.

Technical data:

- Medium: cold/hot water
- Insulation class: IP65

Material:

- SS 4 / ABS

	EAN	Model	Flow rate (l/min)	Input voltage (V / A)	Max. liquid temperature (°C)	Operating pressure (bar)	Connection (inches)	Position change time (s)
NEW	–	Intligentny zawór MIX 1 AVF	–	5 / 2	60	10	–	~ 30
NEW	–	–	–	–	–	–	–	~ 30
NEW	–	–	–	–	–	–	–	~ 30
NEW	–	–	–	–	–	–	–	~ 30
	5903137514820	Intligentny zawór WI-FI	10	5 / 2	60	10	1 × 1	~ 30

VT

Solenoid valve

The VT series electric valves are suitable for controlling water flow in irrigation, heating and air-conditioning systems. The solenoid valve consists of a ball valve and an actuator. The actuator is driven by a synchronous motor that controls the operation of the ball valve with a rotation of up to 90 degrees. The actuators are equipped with a valve opening/closing indicator.

Characteristics:

- 4 different connection diameters
- Application in various kinds of water installations
- High-quality product
- 24-month warranty
- Warranty and post-warranty service

Technical data:

- Electrical control devices: AC 220–240 V/50 Hz
- Motor type: synchronous motor
- Ingress Protection grade: IP54
- Housing material: PA
- Medium: cold/hot water or a 50% ethylene glycol solution

EAN	Model	Amperage* (W)	Operating pressure (MPa)	Pressure closing difference (MPa)	Max. ambient temperature (°C)	Medium temperature (°C)	Position change time (s)
5903137516978	VT DN15	6	1,6	0,2	40	2–80	6–15
5903137515759	VT DN20	6	1,6	0,2	40	2–80	6–15
5903137515742	VT DN25	6	1,6	0,2	40	2–80	6–15
5903137515766	VT DN32	6	1,6	0,2	40	2–80	6–15
5903887249461	VT DN25 3-way	6	1,6	0,2	40	2–80	6–15
5903887249478	VT DN32 3-way	6	1,6	0,2	40	2–80	6–15

* When the valve is open or closed

S-150 Controller

The S-150 CONTROLLER is designed to control the central heating water circulation pump. The task of the controller is to switch on the pump if the temperature exceeds the set value and to switch it off if it drops below the set switch-off temperature. This prevents unnecessary pump operation, which saves electricity (savings of up to 60% depending on the level of furnace utilisation) and extends the service life of the pump. Thanks to this solution, the reliability of the pump increases and operating costs decrease. Hysteresis has been replaced by the option to freely set the switch-off temperature.

The controller is equipped with two LED displays. The upper display normally shows the current temperature measured by the sensor, while the lower display shows the switch-off temperature. The MENU button switches the controller to preview mode ,the switch-off and switch-on temperature settings mode, as well as the anti-stop function settings.

Thermostat function

The controller also has a built-in thermostat function. It is possible to set a temperature at which the controller will switch off the controlled devices and then, after the temperature has been decreased to the desired value, it will start the device.

Anti-freeze function

The controller is equipped with an ANTI-FREEZE function, thanks to which the controller will start the pump when the ambient temperature drops below 5°C to prevent freezing.

Technical data:

- Length of cables (sensor/network/pump power supply cables): 1/1/1 m
- Temperature sensor: resistive

EAN	Model	Voltage (V)	Max. power consumption (W)	Operating temperature (°C)	Temperature adjustment range (°C)	Max. outlet load current (A)
5903137512581	S-150	230 ± 10%	5	-10–40	0–99	pump 1 (resist. load)

IMV

Valve with magnetic filter and half-union

Ball valve integrated with a filter and magnet, designed for complete closure or opening of liquid flow and filtering of impurities. The product is equipped with a 1½" half-union connection for a circulating pump. Thanks to a dual filtration system that includes a filter mesh and a magnet, the valve ensures high efficiency in removing impurities.

Application:

Perfectly suited for installation with circulating pumps, especially where installation space is limited and effective protection against impurities is required.

EAN	Model	Temperature (°C)	Max. inlet pressure (bar)	Max. outlet pressure (bar)	Filtration (µm)	Magnetic force (Gauss)	Connections FT (inch)	Weight (g)
–	IMV	-20–100	16	16	≥ 600	7000	1½	980

MIX T

Thermostatic mixing valve

The MIX T thermostatic mixing valves are designed for water systems in which temperature stabilisation is required.

Technical data:

- KVS flow:
  20-20/43 Z, 20-35/60 Z = 1,6 m^3/h,
  25-20/43 Z, 25-35/60 Z = 2,5 m^3/h
- Medium: water, water/glycol solution max. 30 %
- Connections: DN 20 or DN 25 male thread

Materials:

- Valve body: CW617N
- Handle: nylon
- Seal: EPDM

Adjustment of the outlet temperature at the valve outlet		
Knob settings	Temperature range (°C)	
	20–43	35–60
Min.	18	33
1	20	35
2	25	42
3	30	50
4	35	56
5	43	60
Max.	46	62

EAN	Model	Short-term temperature (°C)	Mixing temperature at the outlet (°C)	Recommended operating pressure (bar)	Max. static pressure (bar)	Max. operating pressure (bar)	Max. pressure difference at connections (bar)
5903887252393	MIX T 20-20/43 Z	95 / 110	± 2	3	10	5	3
5903887252409	MIX T 20-35/60 Z	95 / 110	± 2	3	10	5	3
5903887252393	MIX T 25-20/43 Z	95 / 110	± 2	3	10	5	3
5903887252386	MIX T 25-35/60 Z	95 / 110	± 2	3	10	5	3

MIX TVR

Thermostatic return protection valve

The MIX TVR thermostatic mixing valve maintains the temperature of the water returning to the boiler at least at the valve opening value, thus preventing low-temperature corrosion of the boiler. This allows the boiler to operate more efficiently and extends its service life.

The MIX TVR thermostatic mixing valve mixes cold water returning from the heating system or from the tanks with hot water coming out of the boiler, thus keeping the hot water returning to the boiler, and thus the heat exchanger surfaces, at a temperature at which no condensation occurs.

It does not require a balancing valve for operation, as it has automatic control of hot water flow at the inlet from the bypass.

EAN	Model	Opening temperature (°C)	Max. operating pressure (bar)	Kvs flow coefficient from A to AB (m^3/h)	Kvs flow coefficient from B to AB (m^3/h)	Dimension of O-ring under the cap (ø × mm)	Connections FT (inch)	Weight (g)
–	MIX TVR DN25	40 / 50 /55°	6	6,2	4,4	45 × 3	1	77
–	MIX TVR 3DN2	40 / 50 /55°	6	7	4,9	45 × 3	1¼	87
5903887252201	MIX TVR 25/55	–	–	–	–	–	–	–
5903887252218	MIX TVR 25/50	–	–	–	–	–	–	–
5903887252225	MIX TVR 25/45	–	–	–	–	–	–	–
5903887252256	MIX TVR 32/55	–	–	–	–	–	–	–
5903887252249	MIX TVR 32/50	–	–	–	–	–	–	–
5903887252232	MIX TVR 32/45	–	–	–	–	–	–	–

IBF-01 Filter

A compact, transparent magnetic dirt separator that captures ferromagnetic impurities and filters out 800 µm particles.

Materials:

- EN 12165 CN617N chrome-coated brass
- Brass
- EPOM
- PC
- Stainless steel 304
- PA66G30

EAN	Model	Flow rate (l/min)	Max. operating temp. (°C)	Max. operating pressure (bar)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)	Weight (g)
5903887253390	MIX TVR 25	74	90	3	800	7000	¾ × ¾	91 / 116 / 58	77

I-004 | I-005 Filters

Dirt separators with a double filtering system.
A max. flow rate of up to 260 l/min makes the I-004 filter ideal for heating systems that require increased flow, such as systems with heat pumps.

Materials:

- PA66 + glass fibre
- Brass
- EPDM


Filtr I-004


Filtr I-005

EAN	Model	Flow rate (l/min)	Max. liquid temp. (°C)	Max. operating pressure (bar)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)	Weight (g)
5903887247153	I-004	260	100	10	500	9000	1¼	284 / 220,6	–
5903887246095	I-005	190	90	3	500	10 000	1¼	169 / 283	–

IBF-07 | IBF-08 MAX | IBF-12 Filters

Dirt separators with a double filtrating system have both magnetic iron ring as well as a filtering screen.

Materials:

- IBF-07: brass / PA66-GF30
- IBF-08 MAX: brass / stainless steel / PA66-GF30
- IBF-12-¾": PA66 + glass fibre / stainless steel
- IBF-12-1": PA66 + glass fibre / stainless steel


IBF-07


IBF-12


IBF-08 MAX

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137517715	IBF-07	70	3	90	500	9000	1 × 1	230 / 145
5903137517807	IBF-08 MAX	70	3	90	500	9000	1 × 1	218 / 224
5903887253710	IBF-12-¾"	80	8	100	500	9000	¾	288 / 203
5903887253703	IBF-12-1"	90	9	100	500	9000	1	288 / 203

I-003 Filters

Dirt separators with a double filtrating system have both a magnetic iron ring as well as a filtering screen.

Materials:

- PA66+ glass fibre/copper

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137514363	I-003-¾"	100	8	90	500	9000	¾	149 / 283
5903137514370	I-003-1"	100	8	90	500	9000	1	149 / 283

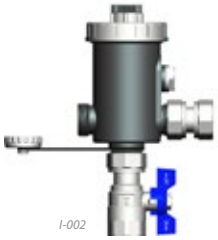
I-001 | I-002 | IBF-05 | IBF-06 Filters

Magnetic filters that trap contaminants located in heating, solar power and cooling systems. The dual function of retaining ferromagnetic and non-magnetic impurities effectively protects heating devices, circulating pumps, heat exchangers and thermostatic heater valves. The use of IBO magnetic separators protects and extends the service life of heating devices.

Materials:

- I-001: PA66 (I-002) + glass fibre/copper/stainless steel
- I-002: PA66 (I-002) + glass fibre/copper/stainless steel
- IBF–05: ABS/brass/stainless steel
- IBF–06: brass/stainless steel/PA66-GF30


I-001


I-002


IBF–05


IBF–06

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137514844	I-001	30	8	100	≥ 500	9000	¾	114 / 190
5903137514356	I-002	30	3	90	≥ 500	9000	¾ × ¾	129 / 228
5903137517821	IBF–05	30	3	90	≥ 500	9000	¾ × ¾	120 / 193
5903137517838	IBF–06	30	3	90	≥ 500	9000	¾ × ¾	120 / 193

IBF-04 Filter

Magnetic separator with dual function for retaining ferromagnetic and non-magnetic impurities.

Materials:

- IABS / brass / stainless steel

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137517845	IBF-04	30	3	90	≥ 100	9000	¾ × ¾	129 / 228

IBF-09 Filter

Magnetic separator with dual function for retaining ferromagnetic and non-magnetic impurities.

Materials:

- PA66+GF / brass

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903887249102	IBF-09	90	10	90	≥ 500	9000	¾ × ¾ lub 1 × 1	185 / 194

IBF-V Filter

¾" air separator that stops impurities and releases air from the system.

Materials:

- Brass

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137517777	IBF-V	45	10	110	≥ 5	9000	¾ × ¾	180 / 240

IBF-V2 Filters

IBF-V2 dirt and air separator that stops impurities and releases air from the system. Ferromagnetic and non-magnetic impurities accumulated in the lower part of the device can be removed using the drain valve.

Materials:

- Brass


IBF-V2 1″


IBF-V2 ¾″

EAN	Model	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Max. flow rate (l/min)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137517722	IBF-V2 ¾″	10	90	≥ 500	45	9000	¾ × ¾	118 / 309
5903137517739	IBF-V2 1″	10	90	≥ 500	45	9000	1 × 1	118 / 309

BF-10 Filters

The filters feature a magnetic ring that attracts ferromagnetic impurities, and a brass filter mesh that breaks down non-magnetic impurities and air bubbles measuring 5–100 µm.


IBF-10 ¾″


IBF-10 1″


IBF-10 ¾″

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903137517746	IBF-10 ¾″	80	10	110	≥ 50	9000	¾ × ¾	86 / 176
5903137517753	IBF-10 1″	130	10	110	≥ 50	9000	1 × 1	104 / 177
5903137517760	IBF-10 ¾″	215	10	110	≥ 50	9000	¾ × ¾	104 / 194

YBF Filters

Oblique sediment filters with a magnet

Oblique sedimentation filters with built-in magnets are designed for separating solid impurities and magnetite in water systems. A magnet with a strength of 5,000 on the Gauss scale combined with a filter mesh provides effective protection for the system.

Materials:

- Brass CW617N

Technical data:

- Medium: water, 50% water/glycol solution
- Nominal pressure: PN16

EAN	Model	Flow rate (l/min)	Max. operating pressure (bar)	Max. liquid temperature (°C)	Filtration (µm)	Magnetic force (Gauss)	Connection (inch)	Dimensions (mm)
5903887247191	YBF–20	50	16	110	≥ 400	5000	¾	70 / 67 / 36
5903887247207	YBF–25	100	16	110	≥ 400	5000	1	80 / 75 / 44
5903887247214	YBF–32	200	16	110	≥ 400	5000	1¼	90 / 95 / 54

Oblique Sediment Filters

The filters are designed to capture and remove mechanical impurities from the interior of hydraulic systems, including drinking water, utility water and central heating system. They are used in industrial and domestic networks.

EAN	Model	Temperature (°C)	Max. inlet pressure (bar)	Insert	Weight (g)
5903137515438	½″	(-15)–120	16	Brass	140
5903137515445	¾″	(-15)–120	16		210
5903137515452	1″	(-15)–120	16		295
5903137515476	1¼″	(-15)–120	20		580
5903137515469	1½″	(-15)–120	20		790

Filling, flushing and venting station

Filling, flushing and venting station designed for filling, flushing, venting and servicing closed systems such as heating systems, underfloor heating systems, solar power systems and heat pump manifolds.

The station is a compact service device designed for installation work with a wide range of applications. It can be used in systems filled with water or a glycol mixture.

The pump can also be used to increase pressure in water supply systems, provided that the pressure at which water is fed into the pump (on the suction side) does not exceed 2,5 bar.

If a pressure of 2,5 bar is exceeded, the pump and the entire system may be damaged. If there is a risk that the pressure may exceed 2,5 bar, a pressure reducer must be installed upstream of the pump inlet (suction side).

Additionally, such a system must be equipped with a check valve preventing the return of pumped water to the water supply network.

Technical data:

- Hose length: 2,5 m
- Hose diameter: ¾"
- Medium: water or glycol mixtures
- Max. medium temperature: 40°C

Components in the set:

- Steel trolley frame with rubber transport handles, mounted on wheels
- Self-priming hydrophore pump **AJ 50/60 1100 W** available with nylon or stainless-steel impeller
- Check valve with a brass insert
- 35 L polyethylene tank with drain valve
- Mesh filter
- Pressure gauge
- Transparent pressure hoses enable fluid return control
- Hose connecting the tank to the pump
- On/off switch
- Pump equipment kit

EAN	Model	Head (m)	Flow rate (l/min)	Tank volume (l)	Check valve (inches)	Ball valve (inches)	Mesh filter (inches)	Dimensions H/W/L (cm)	Weight (kg)
5903137518958	Station NPO	50	60	35	1	1 WZ	¾	84 / 65 / 46	24,5

IZB WW

Safety valve

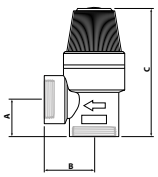
NEW

The IZB WW series safety valve is designed to protect heating and hydraulic systems against excessive pressure increase. When the set opening pressure is exceeded, the valve automatically discharges excess medium (water or air), preventing damage to the system and its components.
This action is intended to protect systems and equipment against uncontrolled pressure increase. The valve is one of the basic safety devices with which the system must be equipped in accordance with applicable regulations.

The IZB WW safety valve is used in closed heating and cooling systems. It can operate with water or a mixture of water and glycol (up to 50%). The valve must not be used in steam systems or drinking water systems, unless the valve has been issued with a hygiene certificate.

Materials:

- Body: brass EN 12164 CW614N
- Spring: steel EN 12270-1
- Seals: EPDM
- Control knob: ABS



EAN	Model	Nominal pressure	Operating temperature range (°C)	Max. content of glycol (%)	Opening and closing tolerance (%)	Connections (inch)	Dimensions (mm)			Weight (g)
							A	B	C	
5903887261203	IZB WW 1,5 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261258	IZB WW 1,5 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109
5903887261210	IZB WW 2,5 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261227	IZB WW 2,5 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109
5903887261234	IZB WW 3 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261241	IZB WW 3 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109
5903887261265	IZB WW 6 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261219	IZB WW 6 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109
5903887261272	IZB WW 7 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261289	IZB WW 7 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109
5903887261296	IZB WW 10 bar ½"	PN10	5–110	50	20	½ × ½	18,5	25	63,5	109
5903887261202	IZB WW 10 bar ¾"	PN10	5–110	50	20	¾ × ¾	25	25	70	109

ZS

Service valve

The multifunctional ZS valve is intended for heating and air-conditioning systems. When installed in the system, it enables and speeds up work during:

- filling the installation
- venting the installation
- cleaning and flushing the installation
- other service work

Appropriate devices must be used for the above activities, e.g. filling and venting stations or cleaning and flushing pumps.

EAN	Model	Temperature (°C)	Max. inlet pressure (bar)	Insert	System connections (inches)	Service connections (inches)	Size	Dimensions H/W/L (mm)	Weight (g)
5903887250481	ZS	120	6	brass	2 × GW 1	2 × GZ ¾	DN25 / DN 20	93 / 101 / 75	585

FLUSH 20 | FLUSH 20 PRO | FLUSH 40 pumps

The FLUSH 20 | FLUSH 20 PRO pumps are designed for descaling and cleaning heat exchangers and small water systems. The FLUSH 40 pump is designed for descaling and cleaning non-commercial heating and water systems. Vertical axis pumps with a tank and shut-off valves for descaling and flushing of domestic systems and parts of commercial systems using chemical agents. The pumps are equipped with a "reverse" function (flow direction change), which enables thorough cleaning and flushing of the most polluted systems or parts of systems using non-acidic chemicals.

Characteristics:

The FLUSH 20 | FLUSH 20 PRO | FLUSH 40 pumps remove:

- Calcium and silica deposits
- Iron and/or manganese oxides
- Iron bacteria and/or sulphate-reducing bacteria
- Organic substances

FLUSH 20

FLUSH 20 PRO PROGRAMMING THE OPERATING TIME

FLUSH 40 FLUSHING WATER DISCHARGE

EAN	Model	Max. flow rate (l/min)	Tank volume (l)	Power (W)	Max. liquid temperature (°C)	Max. operating pressure (bar)	Ingress Protection	Dimensions (mm)
5903887245920	FLUSH 20	40	17	150	35 (50)	1,2	IP54	338 / 467
5903887245937	FLUSH 20 PRO	40	20	150	35 (50)	1,2	IP54	338 / 450
5903887245944	FLUSH 40	70	40	370	35 (50)	2	IP54	420 / 665

CLEANER IC-1

Alkaline cleaning agent and de-scaling agent for central heating system

CLEANER IC-1 is an alkaline deposit remover designed to restore water circulation in new and old central heating system. It effectively removes accumulated hydrogen sulphide from the system that may cause contamination and corrosion and produce an unpleasant odour while the receivers are being vented. Its composition has been developed to remove a wide range of impurities and sludge, to significantly reduce the risk of failure and to effectively extend the service life and improve the performance of central heating system.

Does not corrode steel, safe for the installation.

EAN	Model	Capacity (L)	Recommended concentration
5903887246880	CLEANER IC-1	1	1 : 1000

CLEANER IC-2

Acid cleaning and descaling agent for central heating system

CLEANER IC-2 is an acidic agent for removing limescale deposits and sludge in central heating system. Designed to restore water circulation in new and old central heating system It effectively removes accumulated limescale, hydrogen sulphide and biofilm from the system that may cause contamination, corrosion and degradation of the condition of central heating system

Does not corrode steel, safe for the installation.

EAN	Model	Capacity (L)	Recommended concentration
5903887255790	CLEANER IC-2	1	1 : 1000

CLEANER IC-3 FLUSH

Acid cleaning agent and descaling agent for central heating system

CLEANER IC-3 FLUSH is an acidic agent for removing limescale deposits and sludge in central heating system. For use with the FLUSH pumps used for cleaning and flushing the systems. Designed to restore water circulation in new and old central heating system. It effectively removes accumulated impurities from the system that may cause corrosion and degrade the condition of central heating system.

Does not corrode steel, safe for the system.

EAN	Model	Capacity (L)	Recommended concentration
5903887255806	CLEANER IC-3 FLUSH	1	1 : 1000

PROTECTOR IP-1

Corrosion inhibitor for central heating system

Universal agent for corrosion and limescale protection in all types of central heating system with water circulation. IP-1 protects all metals (including steel, copper, brass, and aluminium) from corrosion.

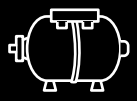
PROTECTOR IP-1 contains a balanced, buffered pH that protects against acid build-up and corrosion, ensuring a longer system service life. Furthermore, IP-1 is covered by NSF CIAS certification, which is often required by boiler manufacturers.

The use of a corrosion inhibitor will help prevent gas build-up, ensuring a safer and quieter system.

Available in two capacities: 1 L and 5 L.

EAN	Model	Capacity (L)	Recommended concentration
5903887246897	PROTECTOR IP-1 / 1	1	1 : 1000
5903887255813	PROTECTOR IP-1 / 5	5	1 : 1000

Tanks and vessels



- FIXLine vessels
- BASIC C.W.U. vessels
- IBO ITALY domestic C.W.U.
- BASIC C.O. vessels
- IBO ITALY HEATS C.O. vessels
- Expansion vessel (25 bar) C.W.U. IBO ITALY
- IBO ITALY solar vessels
- ZSV
- ¾" Holder for pressure vessels
- MGB safety group
- SGB safety group
- IGB safety group

FIXLine vessels

Versatile

NEW

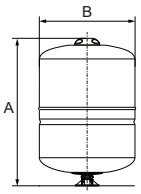
FIXLine pressure vessels feature a wide range of applications in various types of systems. Inside the steel vessel there is a non-replaceable membrane made of BUTYL, known for its high tensile strength and resistance to high temperatures, separating the liquid from the air space.

The tanks are equipped with a valve – a vent used to replenish the air pressure in the vessel. The mounted vent makes it easier to control the initial pressure of the vessel. The vessels can be used for hot and cold water, as well as in heating systems.

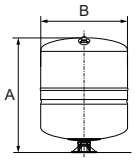
The vessels are designed for systems in which the glycol content does not exceed 50%.

Application:

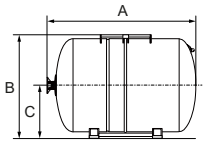
- Stabilisation and accumulation of water in hydrophore systems
- Stabilisation and equalisation of pressure in water systems operated by inverters
- Stabilisation and equalisation of pressure in central heating system
- Stabilisation and equalisation of pressure in hot domestic water systems
- Solar power systems



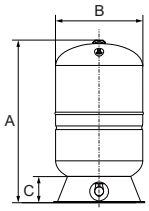
VERTICAL:
FIXLine 5 V
FIXLine 8 V
FIXLine 35 V



VERTICAL:
FIXLine 12 V
FIXLine 18 V
FIXLine 24 V



HORIZONTAL:
FIXLine 24 H
FIXLine 60 H
FIXLine 80 H
FIXLine 100 H



VERTICAL:
With a FIXLine100 V base

EAN	Model	Operating temperature (°C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inches)	Dimension L (mm)	Dimension H (mm)
Vertical								
5903887258951	FIXLine 5 V	-10–90	10	14,3	1,9 +/- 10%	1	200	270
5903887258968	FIXLine 8 V	-10–90	10	14,3	1,9 +/- 10%	1	200	313
5903887258975	FIXLine 12 V	-10–90	10	14,3	1,9 +/- 10%	1	235	365
5903887258982	FIXLine 18 V	-10–90	10	14,3	1,9 +/- 10%	1	280	370
5903887258999	FIXLine 24 V	-10–90	10	14,3	1,9 +/- 10%	1	290	445
5903887259002	FIXLine 35 V	-10–90	10	14,3	1,9 +/- 10%	1	310	480
5903887259019	FIXLine 100 V	-10–90	10	14,3	1,9 +/- 10%	1	430	815
Horizontal								
5903887259026	FIXLine 24 H	-10–90	10	14,3	1,9 +/- 10%	1	320	445
5903887259033	FIXLine 60 H	-10–90	10	14,3	1,9 +/- 10%	1	420	535
5903887259040	FIXLine 80 H	-10–90	10	14,3	1,9 +/- 10%	1	420	735
5903887259057	FIXLine 100 H	-10–90	10	14,3	1,9 +/- 10%	1	470	720

BASIC C.W.U. vessels

Pressure vessels

High-quality materials, tested at every stage of manufacturing, along with the expertise of our engineers ensure a high-quality product. BASIC C.W.U. pressure vessels with capacities ranging from 8 L to 50 L, are designed for use in hot and cold (drinking) water systems to maintain and equalise pressure in the system. The vessels are made of thick carbon steel and coated with a special anti-corrosion lacquer. There are butyl diaphragms inside the vessels, separating water from air. The vessels are equipped with a special valve for adding or releasing air – a valve identical to those used in car tyres, located at the rear of the vessel, under the lid.

The external surface is coated with epoxy powder paint.

The IBO pressure vessels are pressure equipment complying with the requirements of Directive 2014/68/EU.

They are suitable for use with ethylene or propylene glycol mixtures. They feature very low gas permeability.

Application

In domestic hot and cold drinking water systems, to maintain and equalise changing pressure due to an increase in water volume.

EAN	Model	Operating temperature (°C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inch)	Diameter (cm)	Height (mm)
5903887246255	C.W.U. BASIC 5	0–100	10	15	3,5 +/- 10%	¾	185	275
5903887246248	C.W.U. BASIC 8	0–100	10	15	3,5 +/- 10%	¾	205	203
5903887246194	C.W.U. BASIC 12	0–100	10	15	3,5 +/- 10%	¾	275	310
5903887246200	C.W.U. BASIC 19	0–100	10	15	3,5 +/- 10%	¾	272	410
5903887246217	C.W.U. BASIC 24	0–100	10	15	3,5 +/- 10%	¾	272	460
5903887246224	C.W.U. BASIC 36	0–100	10	15	3,5 +/- 10%	¾	350	460
5903887246231	C.W.U. BASIC 50	0–100	10	15	3,5 +/- 10%	¾	350	545

IBO ITALY domestic C.W.U.

High-quality genuine materials, strict tests at every stage of manufacturing, along with the expertise of our engineers ensure a high-quality product. IBO ITALY C.W.U. pressure vessels are designed for use in hot and cold (drinking) water systems, to maintain and equalise the pressure that changes due to an increase in water volume. The vessels are made of thick carbon steel and coated with a special anti-corrosion lacquer. Inside the vessels are rubber diaphragms made of butyl (manufactured in an Italian factory), forming a membrane between the water inside and the outer shell of the vessel. The vessels are equipped with a special valve for adding or releasing air – a valve identical to those used in car tyres, located at the rear of the vessel, under the lid.

The external surface is coated with epoxy powder paint.

The IBO pressure vessels are pressure equipment complying with the requirements of Directive 2014/68/EU.

They are suitable for use with ethylene or propylene glycol mixtures.

They feature very low gas permeability.

Application

In hot and cold drinking water systems to maintain and equalise changing pressure due to an increase in water volume.

EAN	Model	Operating temperature (°C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inches)	Diameter (mm)	Height (mm)
5903887209144	C.W.U. IBO ITALY 8	-10–100 (130*)	10	15	3,5 +/- 10%	¾	200	350
5903887209151	C.W.U. IBO ITALY 12	-10–100 (130*)	10	15	3,5 +/- 10%	¾	280	310
5903887209168	C.W.U. IBO ITALY 19	-10–100 (130*)	10	15	3,5 +/- 10%	¾	280	400
5903887209175	C.W.U. IBO ITALY 24	-10–100 (130*)	10	15	3,5 +/- 10%	¾	300	420
5903887209182	C.W.U. IBO ITALY 36	-10–100 (130*)	10	15	3,5 +/- 10%	¾	360	450
5903887209199	C.W.U. IBO ITALY 50	-10–100 (130*)	10	15	3,5 +/- 10%	¾	350	722

* up to 2 h

BASIC C.O. vessels

Pressure vessels

The BASIC C.O. pressure vessels are designed for use in heating and solar power systems. Used in systems to maintain and equalise pressure that changes due to an increase in the volume and temperature of the medium.

The main function of pressure vessels is to prevent excessive pressure increase in closed systems.

Inside the steel vessel there is a replaceable membrane – EPDM (synthetic rubber) featuring high tensile strength and resistance to high temperatures, separating the liquid from the space occupied by air.

The vessels are equipped with a valve that adjusts the pressure inside the vessel, and a replaceable flange made of galvanised steel.

The vessels are designed for systems in which the glycol content does not exceed 50%.
Hanging vessels: 8/12/19/24
Standing vessels: 36/50/80/100

EAN	Model	Operating temperature (°C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inch)	Diameter (mm)	Height (mm)
–	C.O. BASIC 5	0–100	8	12	1,5 +/- 10%	¾	160	290
5903887246187	C.O. BASIC 8	0–100	8	12	1,5 +/- 10%	¾	200	330
5903887246125	C.O. BASIC 12	0–100	8	12	1,5 +/- 10%	¾	270	310
5903887246132	C.O. BASIC 19	0–100	8	12	1,5 +/- 10%	¾	270	410
5903887246149	C.O. BASIC 24	0–100	8	12	1,5 +/- 10%	¾	270	460
5903887246156	C.O. BASIC 36	0–100	8	12	1,5 +/- 10%	¾	350	600
5903887246125	C.O. BASIC 50	0–100	8	12	1,5 +/- 10%	¾	350	710
5903887246170	C.O. BASIC 80	0–100	8	12	1,5 +/- 10%	1	450	750
5903887246187	C.O. BASIC 100	0–100	8	12	1,5 +/- 10%	1	450	890

IBO ITALY HEATS C.O. vessels

IBO ITALY HEATS central heating system pressure vessels are designed for use in heating and solar power systems to maintain and equalise pressure that changes due to an increase in the volume of the medium and temperature.

The main function of pressure vessels is to prevent excessive pressure increase in closed systems.

Pressure vessels utilise an air cushion to compensate for changes in the volume of the heating medium in closed systems. Inside the steel vessel there is a replaceable membrane – EPDM (synthetic rubber) featuring high tensile strength and resistance to high temperatures, separating the liquid from the space occupied by air.

The vessels are designed for systems in which the glycol content does not exceed 50%.

Hanging vessels: 8/type 12/19/24/36
Standing vessels: 50/80/100

EAN	Model	Operating temperature (°C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inches)	Diameter (mm)	Height (mm)
5903887206426	IBO ITALY HEATS 8	-10–100	8	12	1,7 +/- 10%	¾	200	350
5903887206433	IBO ITALY HEATS 12	-10–100	8	12	1,7 +/- 10%	¾	280	310
5903887206440	IBO ITALY HEATS 19	-10–100	8	12	1,7 +/- 10%	¾	270	385
5903887206457	IBO ITALY HEATS 24	-10–100	8	12	1,7 +/- 10%	¾	300	430
5903887206464	IBO ITALY HEATS 36	-10–100	8	12	1,7 +/- 10%	¾	350	457
5903887206471	IBO ITALY HEATS 50	-10–100	8	12	1,7 +/- 10%	¾	350	720
5903887206488	IBO ITALY HEATS 80	-10–100	8	12	1,7 +/- 10%	1	400	920
5903887206495	IBO ITALY HEATS 100	-10–100	8	12	1,7 +/- 10%	1	500	880

Expansion vessel (25 bar) C.W.U. IBO ITALY

NEW

IBO ITALY DHW expansion vessels are pressure-sensitive membrane vessels used in domestic hot water systems to stabilize pressure and compensate for thermal expansion. The vessel absorbs excess water volume generated during heating, limiting pressure increases in the DHW system and protecting fittings and the safety valve from frequent activation. The interior of the tank is divided by a flexible membrane into water and gas sections; an increase in pressure on the water side compresses the gas cushion and gently equalizes pressures in the system.

The vessels are designed for pressures up to 25 bar, which should be considered the limiting value – the permissible momentary load; in practice, the system's operating pressure and the safety valve setting should be significantly lower.

IBO ITALY DHW expansion vessels are steel pressure vessels coated with a durable blue paint coating, protecting against corrosion under typical operating conditions in indoor systems. As standard, they have threaded connections (3/4" or 1") for connection to safety groups or DHW systems, and the replaceable membrane is adapted for contact with domestic water in accordance with the requirements for expansion vessels for drinking water. rany wymiennej.

EAN	Model	Operating temperature (˚C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inches)	Ø D (mm)	Dimension H (mm)	Weight (kg)
5903887262194	C.W.U. 24 IBO ITALY	-10–100 (130*)	25	37,5	3,5	¾	330	450	11,5
5903887262200	C.W.U. 36 IBO ITALY	-10–100 (130*)	25	37,5	3,5	¾	370	455	20,6
5903887262217	C.W.U. 50 IBO ITALY	-10–100 (130*)	25	37,5	3,5	1	357	710	27
5903887262224	C.W.U. 80 IBO ITALY	-10–100 (130*)	25	37,5	3,5	1	405	900	36,6

* up to 2 h

IBO ITALY solar vessels

IBO ITALY solar pressure vessels are designed for use in solar power systems to maintain and equalise the pressure that changes due to an increase in water volume. The vessels are made of thick carbon steel and coated with a special anti-corrosion lacquer. In the vessels are rubber diaphragms made of EPDM (manufactured in an Italian factory), forming a membrane between the water inside and the outer shell of the vessel. The vessels are equipped with a special valve for adding or releasing air – a valve identical to those used in car tyres, located at the rear of the tank, under the lid.

The external surface is coated with epoxy powder paint.

The IBO pressure vessels are pressure equipment complying with the requirements of Directive 2014/68/EU.

They are suitable for use with ethylene or propylene glycol mixtures. They feature very low gas permeability.

Application

In domestic hot and cold drinking water systems, to maintain and equalise the pressure that changes due to an increase in water volume.

EAN	Model	Operating temperature (˚C)	Max. operating pressure (bar)	Max. test pressure (bar)	Initial pressure (bar)	Connection (inches)	Ø D (mm)	Dimension H (mm)
5903887209144	IBO ITALY SOLAR 8	-10–100 (130*)	10	15	2,5 +/- 10%	¾	205	350
5903887209151	IBO ITALY SOLAR 12	-10–100 (130*)	10	15	2,5 +/- 10%	¾	240	365
5903887209168	IBO ITALY SOLAR 19	-10–100 (130*)	10	15	2,5 +/- 10%	¾	270	390
5903887209175	IBO ITALY SOLAR 24	-10–100 (130*)	10	15	2,5 +/- 10%	¾	300	430
5903137512895	IBO ITALY SOLAR 36	-10–100 (130*)	10	15	2,5 +/- 10%	¾	350	440
–	IBO ITALY SOLAR 50	-10–100 (130*)	10	15	2,5 +/- 10%	¾	350	720
–	IBO ITALY SOLAR 80	-10–100 (130*)	10	15	2,5 +/- 10%	1	400	916
–	IBO ITALY SOLAR 100	-10–100 (130*)	10	15	2,5 +/- 10%	1	500	885

* up to 2 h

ZSV

Pressure tank service fast connection

Service fast connection for pressure tanks has been designed for easy checking and replenishment of pressure in pressure tanks without the need to drain the entire system during maintenance.

This solution enables effective and trouble-free maintenance, ensuring system operation continuity with minimal downtime. The product is ideal for use in heating and cooling systems that utilise pressure tanks.

EAN	Model	Operating temperature (˚C)	Outlet pressure (bar)	Max. operating pressure (bar)	Connections (inches)	Weight (g)
5903887253819	ZSV ¾"	110	10	10	¾	400
5903887253826	ZSV 1"	110	10	10	1	300

¾" Holder for pressure vessels

Adjustable

Adjustable holder/bracket for an pressure vessel ensures stable and secure mounting. The product fits vessels with capacities from 5 L to 36 L and a maximum diameter of 42 cm. High-quality workmanship guarantees its long service life and reliability. It is available in two colours: blue and red.

EAN	Model	Adjustable fastening	Fits the vessels with a capacity of (L)	Connection (inch)	Max. vessel diameter (cm)	Overall length (cm)
5903887253796	Holder for pressure vessels, ¾" FT, red	Yes	5–36	¾	42	20–26
5903887253802	Holder for pressure vessels, ¾" FT, blue	Yes	5–36	¾	42	20–26

MGB safety group

3 bar | 6 bar

NEW

The IBO MGB 3 bar MGB 6 bar safety group is a device used to install an expansion vessel and to control and protect against excessive pressure in heating systems. The safety group is equipped with a pressure gauge, automatic air vent, safety valve, and service valve.

The safety group body is made of CW614N brass, while the mounting strip is made of galvanized steel, which is mounted to the wall using wall plugs and screws.

The safety group should be selected so that the valve opening value is lower than the maximum permissible pressure of the boiler.

EAN	Model	Max. operating temperature (°C)	Max. operating pressure (bar)	Max. glycol concentration (%)	Max. diameter of a pressure tank (kg)	Max .load (kg)
5903887253888	MGB 3	95	3	50	320	45
5903887253895	MGB 6	95	6	50	320	45

SGB safety group

1,5 bar | 2,5 bar | 3 bar | 6 bar

SGB 1,5 bar, 2,5 bar, 3 bar, and 6 bar is a device used for mounting a pressure vessel and designed to control and protect against excessive pressure increase in systems. The safety group is equipped with a pressure gauge, an automatic air vent and a safety valve.

The body of the safety group is made of steel and has a mounting strip which must be fixed to the wall using pins and screws.

The safety group must be selected in such a way that the valve opening value is lower than the maximum permissible boiler pressure value.

EAN	Model	Operating temperature (°C)	Pressure gauge range (bar)	Max. operating pressure (bar)	Max. glycol concentration (%)	Max. diameter of a pressure tank (kg)
5903887253888	SGB 1,5 bar	90	0–10	1,5	50	340
5903887253895	SGB 2,5 bar	90	0–10	2,5	50	340
5903887253901	SGB 6 bar	90	0–10	6	50	340

IGB safety group

1,5 bar | 2,5 bar | 3 bar | 6 bar

IGB 1,5 bar, 2,5 bar, 3 bar, and 6 bar is a device used for mounting a pressure vessel and designed to control and protect against excessive pressure increase in heating systems. The safety group is equipped with a pressure gauge, an automatic air vent, a safety valve and a service valve.

The body of the safety group is made of INOX stainless steel and has a mounting strip which must be fixed to the wall using pins and screws.

The safety group must be selected in such a way that the valve opening value is lower than the maximum permissible boiler pressure value.

EAN	Model	Operating temperature (°C)	Pressure gauge range (bar)	Max. operating pressure (bar)	Max. glycol concentration (%)	Max. diameter of a pressure tank (kg)
5903887253413	IGB INOX 3-4	90	0–4 i 10	3	50	320
5903887253185	IGB INOX 6-10	90	0–4 i 10	6	50	320

Spare parts

You will find a complete spare parts catalogue for all IBO products on the dambat.pl website under: downloadable > spare parts.
If you have problems finding the exact part you are looking for, please contact Dambat service.

The product parameters contained herein have been obtained under laboratory conditions; a difference of +/-10% is possible under operating conditions.

The weight and dimensions of the products may vary depending on the manufacturing batch.

The manufacturer reserves the right to make changes to the equipment offered in the catalogue without prior notice.

Changes may include: parameters, dimensions, appearance or names.

This catalogue is not a commercial offer as defined by commercial law.
A detailed offer and price list are available from the Sales Department.

IBO

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iPRO

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