



EXPANSION JOINTS
FLEXIBLE METAL HOSES
STEAM TRAPS
VALVES
CONTROL

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ABOUT AYVAZ

For more than 70 years, the name of Ayvaz represents the quality and the reliability in installation sector.



Our production experience in manufacturing the special designed products and the success in providing the technical support and infrastructure for all sized projects are our biggest strengths.

From the first days of establishment, our company has been improving its product range in order to meet the rising requirements of installation sector according to the innovations and technical improvements.

Currently, we are operating the production of;

- Metal bellowed and rubber expansion joints that are used to compensate the movements caused by the thermal expansions or compressions in pipelines.
- Braided and non-braided metal hoses for all industrial and domestic applications.
- Level indicating and controlling systems.
- Steam traps that maintain the security and provide high efficiency to the steam lines and steam related systems.
- Various types of valves in various materials for all pipeline systems.

We continue manufacturing with more than 600 personnel in our factory which have 32.000 m² closed areas and equipped with the latest technological production techniques and equipment. Today, Ayvaz provides economical and reliable solutions for its users in various industries from shipbuilding to solar energy systems all around the world.

Besides our own production, we aim to improve our product range by the business level co-operations and distribution agreements with the world's leading companies of installation sector in order to offer a complete set of installation products to our customers and prevent the potential troubles in supply chain.

With the purpose of providing the closest and most equipped service to both domestic and international partners, Ayvaz has rapidly increased the number of domestic regional offices and international offices in recent years.

Today we guarantee the customer satisfaction in more than 100 countries that we operate exportation.

THE WHITE BOOK

This book is prepared with the technical expertise of the Ayvaz engineers and designed as a guide.



This book aims to give technical information such as application areas and conditions, material characteristics and features, standard and non- standard production dimensions about the products that are manufactured and distributed by Ayvaz.

We believe the given information is useful to assist the users in order to choose the best and most appropriate product through their needs.

Product range is reviewed under five main product groups.

- Expansion Joints
- Flexible Metal Hoses
- Level Control
- Steam Equipment
- Valves
- Valve Jackets and Armatures

This book is prepared with the technical expertise of the Ayvaz engineers and designed as a guide that enables the economical and reliable product selection possible while, preventing the confusions of the users with any application knowledge and experience.

THE QR CODES

New generation barcoding system called Quick Response Code (QR Code) is the easiest way to reach the most detailed information of our products. We have prepared unique QR codes for each product in "The White Book". All you need to do is to let your mobile device read the code.

For more information: ayvaz.com/qrcode























EXPANSION JOINTS
FLEXIBLE METAL HOSES
LEVEL CONTROLLERS
STEAM EQUIPMENT
VALVES



SYMBOLS FOR PRODUCT FEATURES AND QUICK SELECTION

- | | | | |
|---|--------------------------------|---|--|
|  | Axial Expansion Joint |  | Seismic Expansion Joint |
|  | Lateral Expansion Joint |  | Suitable for gaseous media |
|  | Angular Expansion Joint |  | Resistant to hot water |
|  | 3D Movement |  | Suitable for noise absorption |
|  | Threaded Connection |  | Suitable for vibration absorption |
|  | Max. Product Pressure |  | Suitable for Oil media |
|  | Flange Standards |  | Suitable for drinking water |
|  | |  | Suitable for seawater |
|  | Max Product Temperature | | |
|  | Flame-proof | | |

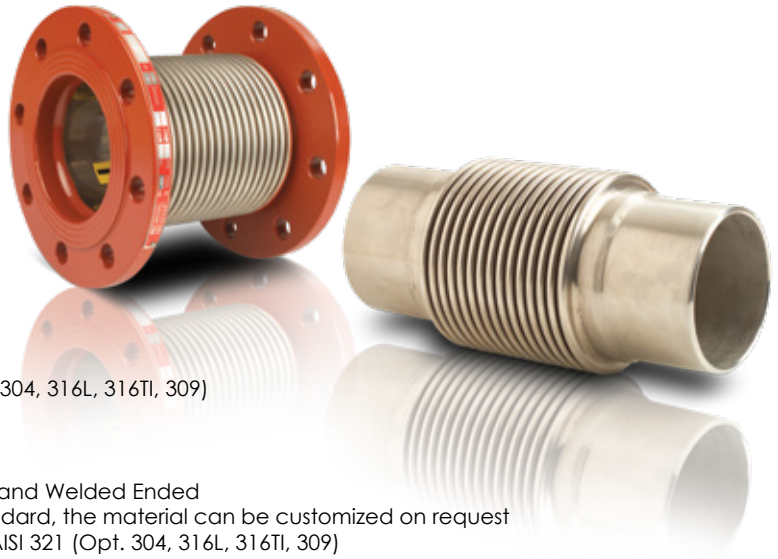


**METAL BELLOWS EXPANSION JOINTS
AXIAL EXPANSION JOINTS**
APPLICATION AREAS

Hot and cold water systems
 Steam and gas media related systems
 Oil transporting lines
 Pressured systems
 Pumps, motors, machines

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316Ti, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed and Floating Flanged and Welded Ended
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Optional	Inner Sleeve Stainless Steel AISI 321 (Opt. 304, 316L, 316Ti, 309)
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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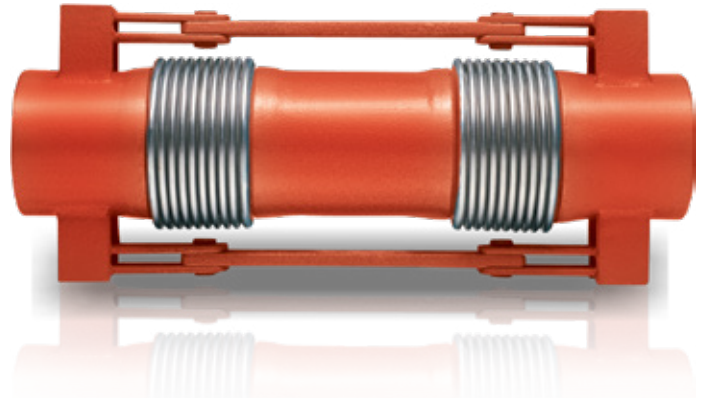
* Higher operating pressure is subject to special design and manufacturing. Please contact our sales team.

**METAL BELLOWS EXPANSION JOINTS
LATERAL EXPANSION JOINTS**
APPLICATION AREAS

Hot and cold water systems
 Industrial applications
 Steam and gas media related systems
 Oil transporting Lines
 Pressured systems

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316Ti, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed and Floating Flanged and Welded Ended
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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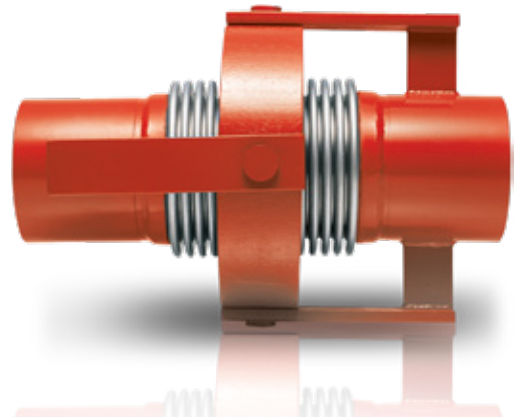
METAL BELLOWS EXPANSION JOINTS ANGULAR EXPANSION JOINTS

APPLICATION AREAS

Compensating angular movements in pipe routings
Reducing tension
Oil transporting lines
Pressured systems
Industrial pipeline construction

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed and Floating Flanged and Welded Ended
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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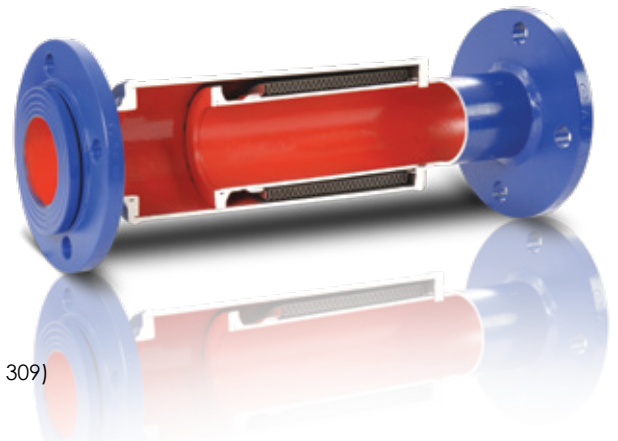
METAL BELLOWS EXPANSION JOINTS X-PRESSED EXPANSION JOINTS

APPLICATION AREAS

Hot and cold water systems
Steam and gas media related systems
Oil transporting lines
Pressured systems
Pumps, motors, machines

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed and Floating Flanged and Welded Ended
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Optional	Inner Sleeve Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309)
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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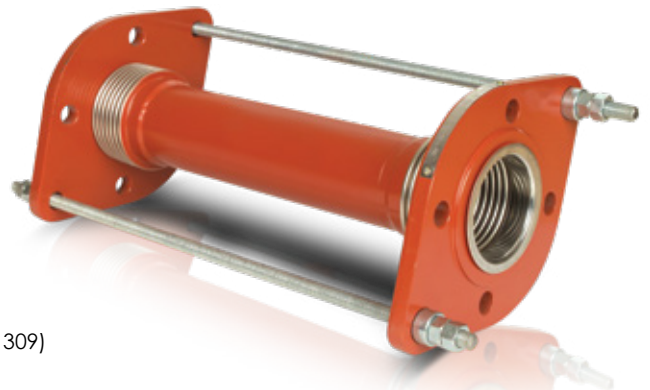
METAL BELLOWS EXPANSION JOINTS DILATATION EXPANSION JOINTS WITH TIE RODS

APPLICATION AREAS

Axial and lateral movement absorption
Fire protection lines
Pipelines go through from one building to another
Pressured systems
Industrial pipeline constructions

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed Flanged, Welded Ended and Grooved
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Tie Rod Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Intermediate Pipe Certificate	Carbon Steel St. 37.2 as standard, the material can be customized on request PED 2014 / 68 / EU Cat.III Mod. H



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METAL BELLOWS EXPANSION JOINTS GIMBAL TYPE SEISMIC EXPANSION JOINTS

APPLICATION AREAS

For 3D (All planes) movement absorption
Fire protection lines
Pipelines go through from one building to another
Pressured systems
Industrial pipeline constructions

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309)
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	175 psi - 250 psi
Operating Temperature	-10°C/+550°C
Connection Types	Fixed Flanged, Welded Ended and Grooved
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Intermediate Pipe Certificate	Carbon Steel St. 37.2 as standard, the material can be customized on request PED 2014 / 68 / EU Cat.III Mod. H FM Approval, Class 1920 (up to DN300)



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METAL BELLOWS EXPANSION JOINTS PIPE EXPANSION JOINTS

APPLICATION AREAS

Heating pipelines of very high buildings
Internal and decorative applications
Hot and cold water systems
Vertical pipe connection

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 316L
Body Material	Aluminium (Opt. Stainless Steel)
Nominal Diameter	DN15 (1/2") - DN150 (6")
Operating Pressure	PN 16
Operating Temperature	-10 / +100 °C
Connection Types	Threaded and Welded Ended



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METAL BELLOWS EXPANSION JOINTS VIBRATION ABSORBER EXPANSION JOINTS WITH TIE ROD

APPLICATION AREAS

Vibration absorption of rotating elements
Pressured systems
Pumps, motors, machines, compressors
Pressured systems
Industrial pipeline construction
Gas and water supply

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321 (Opt. 304, 316L, 316TI, 309) Double Plyed
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	PN 2,5/6/16/25/40/64
Operating Temperature	-10°C/+550°C
Connection Types	Fixed Flanged
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Tie Rod Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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**METAL BELLOWS EXPANSION JOINTS
BRAIDED EXPANSION JOINTS**
APPLICATION AREAS

Vibration absorption of rotating elements
Pressured systems
Pumps, motors, machines, compressors
Industrial pipeline construction
Gas and water supply

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 321
Braiding Material	Stainless Steel AISI 304
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	16 bar
Operating Temperature	-10°C/+550°C
Connection Types	Fixed and Floating Flanged and Welded Ended
Flange Material	Carbon Steel St. 37.2 as standard, the material can be customized on request
Certificate	PED 2014 / 68 / EU Cat.III Mod. H



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**METAL BELLOWS EXPANSION JOINTS
BRAIDED LOOP JOINTS (U-FLEX, V-FLEX)**
APPLICATION AREAS

Seismic security areas
Dilatation points
Fire protection lines
Industrial applications

PRODUCT FEATURES

Bellow Material	Stainless Steel AISI 316L
Braiding Material	Stainless Steel AISI 304
Nominal Diameter	DN25 (1/2") - DN5000 (200")
Operating Pressure	175 psi - 250 psi
Operating Temperature	-10°C/+550°C
Fittings Types	Flange, Welded ends, Grooved
Fittings Materials	Carbon Steel St. 37.2, the material can be customized on request
Elbow and Turn Material	Carbon Steel St. 37.2, the material can be customized on request
Flange Material	Carbon Steel St. 37.2, the material can be customized on request
Certificate	FM Approval, Class 1920 (up to DN300)



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RUBBER EXPANSION JOINTS

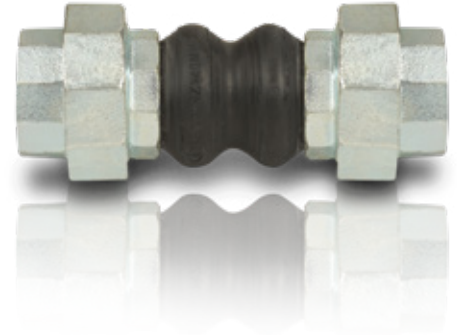
RUBBER EXPANSION JOINT DKK-10

APPLICATION AREAS

For reducing thermal and mechanical tension
 Pumps, motors, machines, compressors
 For 3D (All plates) movement absorption
 Compensating the installation inaccuracies
 For absorbing vibration and noise

PRODUCT FEATURES

Bellow Material	Special Synthetic Rubber
Nominal Diameter	DN15 (1/2") - DN80 (3")
Operating Pressure	10 bar
Operating Temperature	-10 / +90 °C
Connection Types	Threaded
Connection Material	Cast Iron



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RUBBER EXPANSION JOINTS

RUBBER EXPANSION JOINT LKA-10

APPLICATION AREAS

For reducing thermal and mechanical tension
 Pumps, motors, machines, compressors
 For 3D (All plates) movement absorption
 Compensating the installation inaccuracies
 For absorbing vibration and noise
 Compensating irregular movement in cooling lines

PRODUCT FEATURES

Bellow Material	Special Synthetic Rubber
Nominal Diameter	DN32 (3/4") - DN600 (24")
Operating Pressure	10 bar
Operating Temperature	Max. 90°C
Connection Types	Floating Flanged
Flange Material	Ductile Iron GGG 40.3 (Optional composite)



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THE WHITE BOOK



EXPANSION JOINTS
FLEXIBLE METAL HOSES
LEVEL CONTROLLERS
STEAM EQUIPMENT
VALVES



SYMBOLS FOR PRODUCT FEATURES AND QUICK SELECTION

- | | | | |
|--|---------------------------------|--|------------------------------------|
| | Gas Hoses | | Standard Corrugation |
| | Water & HVAC Hoses | | Open Pitched Corrugation |
| | Solar Energy Hoses | | Semi-Closed Pitched Corrugation |
| | Industrial Hoses | | Closed Pitched Corrugation |
| | Sprinkler Hoses | | Suitable for hot water |
| | Suitable for Combi Boilers | | Suitable for drinking water |
| | Suitable for cookers | | Max. Operating Pressure |
| | Suitable for natural gas Meters | | Max. Operating Temperature |
| | Threaded Connection | | Suitable for oils |
| | Suitable for gaseous media | | Suitable for water heaters |
| | Seismic Protection Joint | | Suitable for washing machines |
| | Flange Standards | | Suitable for sanitary applications |
| | | | |



INDUSTRIAL HOSES
BRAIDED AND NON-BRAIDED HOSES WITHOUT FITTINGS
APPLICATION AREAS

Heating, air conditioning and ventilization applications
 Chemical and petrochemical plants
 Oil and gas processing
 Ship building and drilling
 Food processing

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PRODUCT FEATURES

Hose Type Standard and open pitch corrugated metal hose
 Hose Material Stainless Steel AISI 316L
 AISI 304 or AISI 321 also available upon request



		DN	LENGTH (m)
HOSE DIMENSIONS	COIL	6-25	50
		32-50	25
		65-250	10
HOSE DIMENSIONS	BOBBIN	12	1000
		16	750
		20	500
		25	320

STANDARD CORRUGATED HOSE DIMENSIONS							
DN	Model	Internal Diameter	Outer Diameter	Tolerance	Minimum Bending Radius	Nominal Bending Radius	Nominal Pressure (PN) DIN EN ISO 10380/SF4
		mm	mm	mm	rmin (mm)	rn (mm)	
6	Non-braided	6,3	9,9	0,2	15	80	25
	Braided		11		25		150
8	Non-braided	7,7	11,3	0,2	16	120	20
	Braided		12,3		32		100
10	Non-braided	10,1	14,4	0,2	18	130	16
	Braided		15,5		38		100
12	Non-braided	12,2	16,2	0,2	20	140	10
	Braided		17,5		45		65
16	Non-braided	15,6	20,8	0,2	28	160	6
	Braided		22,1		58		65
20	Non-braided	18,8	24,9	0,2	32	170	4
	Braided		26,2		70		40
25	Non-braided	24,6	31,3	0,2	40	190	4
	Braided		32,7		85		50
32	Non-braided	33,7	41,1	0,3	50	260	2,5
	Braided		42,8		105		25
40	Non-braided	40,8	49,8	0,3	60	300	2,5
	Braided		51,2		130		40
50	Non-braided	51,5	60,4	0,3	70	320	0,5
	Braided		62,7		160		25
65	Non-braided	66,1	78,2	1	115	460	0,5
	Braided		81,5		200		25
80	Non-braided	80,7	94,8	1	130	660	0,5
	Braided		98		240		16
100	Non-braided	99,5	115,4	1	160	750	0,5
	Braided		118,8		290		10

* DN125 - DN300 standard corrugated hoses are also available.

OPEN PITCH CORRUGATED HOSE DIMENSIONS							
12	Non-braided	11,8	15,8	0,2	20	165	16
16	Non-braided	16,6	21,4	0,2	25	195	10
20	Non-braided	20,9	26,4	0,2	30	225	10
25	Non-braided	25,1	31,8	0,3	35	260	6
32	Non-braided	32,8	39,6	0,3	40	300	4

INDUSTRIAL HOSES

BRAIDED AND NON-BRAIDED HOSES WITH FITTINGS

APPLICATION AREAS

Heating, air conditioning and ventilation applications
 Chemical and petrochemical plants
 Oil and gas processing
 Ship building and drilling
 Food processing

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
 Hose Material Stainless Steel AISI 316L - AISI 321
 Braiding Material Stainless Steel AISI 304
 Fittings Types Flange, Welded ends, Threaded
 Fittings Materials Carbon Steel St. 37.2 / Stainless Steel (Optional)



* Please contact our sales team for hose lengths and connections

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INDUSTRIAL HOSES

VIBRATION ABSORBER HOSE

APPLICATION AREAS

Vibration absorption of refrigerating units
 Pressured systems
 Pumps, motors, machines, compressors
 Gas and water supply

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
 Hose Material Stainless Steel AISI 316L
 Braiding Material Stainless Steel AISI 304
 Fittings Material Copper
 Fittings Types Welded End



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	6	M6	230±5
		1/4"	230±5
	8	M8	230±5
		3/8"	230±5
	10	M10	230±5
		M12	230±5
	12	1/2"	230±5
		M15	255±5
	16	M16	255±5
		5/8"	255±5
		M18	255±5
		3/4"	255±5
	20	M22	290±5
7/8"		290±5	
25	M28	330±5	
	1 1/8"	330±5	
32	M35	375±5	
	1 3/8"	375±5	
40	M42	430±5	
	1 5/8"	430±5	
50	M54	510±5	
	2 1/8"	510±5	

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INDUSTRIAL HOSES
INDUSTRIAL BRAIDED HOSES WITH INSTALLATION FITTINGS
APPLICATION AREAS

Hot and cold water applications
 Super-heated steam and oil applications
 Heating of manufacturing lines
 Pipeline bridges
 Heating of pressured vessels and tanks
 Cooling systems and transporting relevant fluids
 Gas applications


PRODUCT FEATURES

Hose Type Standard corrugated metal hose
 Hose Material Stainless Steel AISI 316L
 Braiding Material Stainless Steel AISI 304
 Fittings Materials Threaded Connections in Malleable Iron
 Flanges in Carbon Steel St. 37.2 (Stainless steel optional)
 Fittings Types Internal Threaded (Female) Connection
 External Threaded (Male) Nipple Connection
 Fixed and Floating Flanged

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HOSE DIMENSIONS									
	Type	DN/R	Minimum Bending Radius (rmin) mm	Nominal Bending Radius (rmin) mm	Hose Diameter		Temperature Range (°C)	Max. Operating Pressure	
					Di (mm)	Do (mm)		Gas (bar)	Air Water (bar)
Threaded	DN10 x 3/8"		38	130	10,2	15,7	-10/+300	4	16
	DN16 x 1/2"		58	160	16,2	23,3	-10/+300	4	16
	DN20 x 3/4"		70	170	20,2	28,3	-10/+300	4	16
	DN25 x 1"		85	190	25,5	34,2	-10/+300	4	16
	DN32 x 1 1/4"		105	260	34,2	48,0	-10/+300	4	16
	DN40 x 1 1/2"		130	300	40,1	52,0	-10/+300	4	16
	DN50 x 2"		160	320	50,4	62,6	-10/+300	4	16
Flanged	DN65 x DN65		200	160	65,8	81,2	-10/+300	16	16
	DN80 x DN80		240	660	80,2	98,0	-10/+300	16	16
	DN100 x DN100		290	750	100,0	119,4	-10/+300	16	16

GAS HOSES

EN 14800 (NATURAL GAS AND LPG)

APPLICATION AREAS

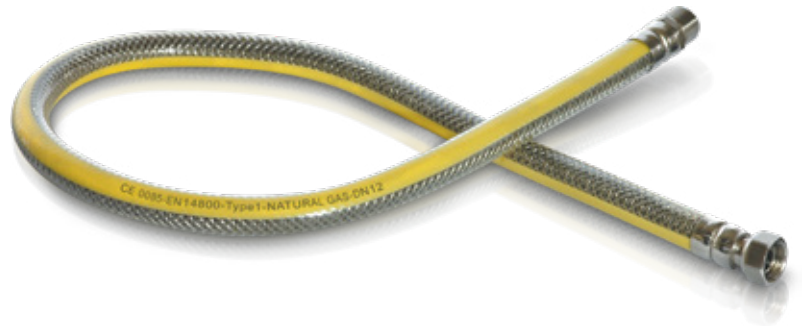
Natural gas and LPG applications
Kitchen appliances
Cookers and grills

PRODUCT FEATURES

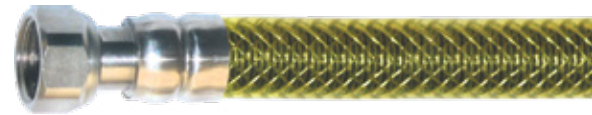
Hose Type Standard corrugated metal hose
Hose Material Stainless Steel AISI 316L (1.4404) acc. to EN ISO 10380
Braiding Material Stainless Steel AISI 304 (1.4301)
Cover Transparent PVC for the protection from household and other aggressive influences.
Internals Stainless Steel AISI 304 (1.4301)
Norm EN 14800:2007

CONNECTION TYPES

SWIVEL NUTS Nut in AISI 304 (1.4301) stainless steel threaded EN ISO 228/1
NIPPLE Nipple in AISI 304 (1.4301) stainless steel threaded DIN EN ISO 7/1
FIXED NUT Nut in AISI 304 (1.4301) stainless steel threaded EN ISO 228/1
BAYONETTE Bayonette in Stainless steel AISI 304 (1.4301) threaded DIN EN ISO 7/1



SWIVEL NUT



NIPPLE



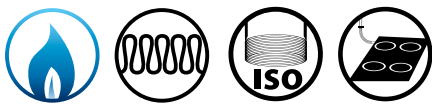
FIXED NUT



SWIVEL NUT + ADAPTER



BAYONETTE



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	500
			750
			1000
			1250
			1500
			2000

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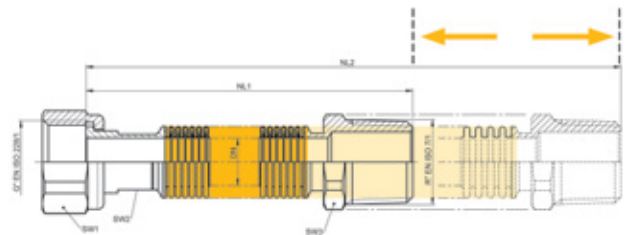


GAS HOSES
MIGFLEX - FULLY EXTENSIBLE (MIG-GAS)
APPLICATION AREAS

Natural gas applications
 Kitchen appliances
 Combi boilers and water heaters
 Cookers and grills

PRODUCT FEATURES

Hose Type Closed pitch corrugated extensible metal hose
 Hose Material Stainless Steel AISI 316L
 Fittings Types Female-Male/Female-Female
 Fittings Materials Nut in Stainless Steel AISI 304/303 EN ISO 228/1 (Brass Ms58 Opt.)
 Nipple in Stainless Steel AISI 304/303 EN ISO 7/1
 Cover Polyolefin Cover in Yellow or coverless
 Gasket NBR / Aluminium
 Other With heat treatment
 Norm UNI 11353



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	90X140
		1/2"x3/4"	130X220
	20	3/4"x3/4"	220X420
300X600			
25	1"x1"	500X1000	
		750X1500	
			1000X2000

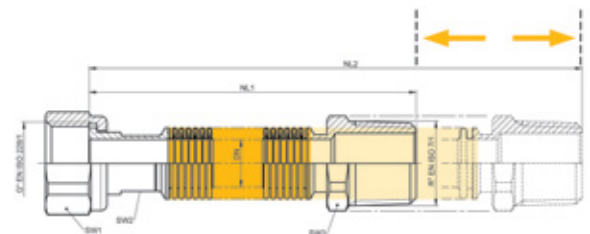
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GAS HOSES
EKO MIG-GAS - SEMI EXTENSIBLE
APPLICATION AREAS

Natural gas applications
 Kitchen appliances
 Combi boilers and water heaters
 Cookers and grills

PRODUCT FEATURES

Hose Type Semi Closed pitch corrugated extensible metal hose
 Hose Material Stainless Steel AISI 316L
 Fittings Types Female-Male/Female-Female
 Fittings Materials Nut in Nickel Coated Brass EN ISO 228/1
 Nipple in Stainless Steel EN ISO 7/1
 Cover Polyolefin Cover in yellow or coverless
 Gasket NBR / Aluminium
 Other With heat treatment



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	110X185
		1/2"x3/4"	220X375
	16	3/4"x3/4"	300X510
500X850			
20	1"x1"	750X1275	
		1000X1700	

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GAS HOSES EKO-FLEX

APPLICATION AREAS

Natural gas applications
Kitchen appliances
Cookers and grills

PRODUCT FEATURES

Hose Type	Standard corrugated metal hose
Hose Material	Stainless Steel AISI 316L
Fittings Types	Female-Male, Female-Female
Fittings Materials	Nipple in Ni Coated Carbon Steel St. 37.2 EN ISO 7/1 Nut in Ni Coated Carbon Steel St. 37.2 EN ISO 228/1
Cover	Polyolefin Cover in Yellow or Coverless



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HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2" 1/2"x3/4"	300 All sizes are available in between 5000
	16	3/4"x3/4"	
	20	1"x1"	

GAS HOSES BURN-FLEX

APPLICATION AREAS

Natural gas applications
Kitchen appliances
Gas burners and heaters

PRODUCT FEATURES

Hose Type	Semi Closed pitch corrugated metal hose
Hose Material	Stainless Steel AISI 316L
Fittings Types	External threaded pipe EN ISO 7/1
Fittings Materials	CrNi Coated Carbon Steel St. 37.2/Stainless Steel
Cover	Polyolefin Cover in Yellow or Coverless



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HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"	145
	16	3/4"	150
	25	1"	165
	32	1 1/4"	165
	40	1 1/2"	210
	50	2"	230

GAS HOSES
INDOOR-FLEX

APPLICATION AREAS

Ayvaz's Indoor-flex hoses can be used for the main gas lines of;
Fixed appliances such as furnaces, stoves, and gas burning fireplaces
Cookers, grills, patio heaters, fire pits
Combi-boilers and water heaters

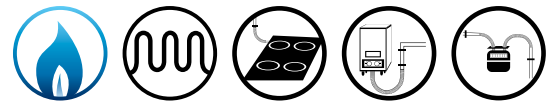
PRODUCT FEATURES

Hose Type Standard corrugated metal hose
Hose Material Stainless Steel AISI 316L
Cover Soft PVC Cover in Yellow

SYSTEM ELEMENTS

Nut Nickel coated Brass 1/2"/3/4"/1"
Nipple Nickel coated Brass 1/2"/3/4"/1"
Clamping Washers Stainless Steel AISI 304 1/2"/3/4"/1"
Tee Nickel coated Brass 1/2"-1/2"-1/2", 3/4"-1/2"-1/2"
Ball Valve Nickel coated Brass
Crushing Tool Ni Coated Carbon Steel 1/2"/3/4"/1"
Pipe Clips DN12/16/20
Gasket Nitrile 1/2"/3/4"/1"
Cutting Tool 1/2"/3/4"/1"
Heat Shrink Tube

INDOOR FLEX



* The seating surface areas of the ball valves and the gaskets must be considered carefully.

* It is advised to use the ball valves and intermediate connection parts manufactured by Ayvaz.

Nut



Clamping Washers



Ball Valve



Crushing Tool



Heat Shrink Tube



Nipple Adapters



Tee



Cutting Device



Pipe Clips



Gasket



Ayvaz's Indoor-flex hoses may be provided as the bobbins and coils.



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COIL			
Diameter (DN)	DN12	DN16	DN20
Max. Length (m)	50-100	50-100	50-100

BOBBIN			
Diameter (DN)	DN12	DN16	DN20
Max. Length (m)	900-1000	600-700	400-450

GAS HOSES COUNTER-FLEX

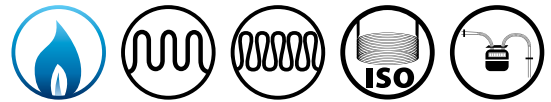
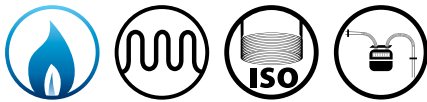


PRODUCT FEATURES

PRS 6/E

Hose Type Standard corrugated metal hose
 Hose Material Stainless Steel AISI 316L / AISI 321
 Fittings Types Female-Male, Male-Male
 Fittings Materials Male in threaded Carbon Steel St. 37.2 pipe EN 10226
 Cover Nut in brass (BS 746)
 Coverless

Standard/closed pitch corrugated extensible metal hose
 Stainless Steel AISI 316L
 Female-Male/Female-Female
 Male (EN ISO 7/1) and int. parts in CrNi coated Carbon Steel St. 37.2
 Nut in brass / Carbon Steel St. 37.2 EN ISO 228/1
 Polyolefin Cover in Yellow or Coverless



HOSE DIMENSIONS (PRS 6/E)		
DN	CONNECTION	LENGTH (mm)
20	3/4"x3/4" 3/4"x1"	242
		250
		330
25	1"x1"	400
		440

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HOSE DIMENSIONS		
DN	CONNECTION	LENGTH (mm)
20	3/4"x3/4"	150
		170
25	3/4"x1/4"	130x220
		220x420
32	1"x1 1/4"	300x600

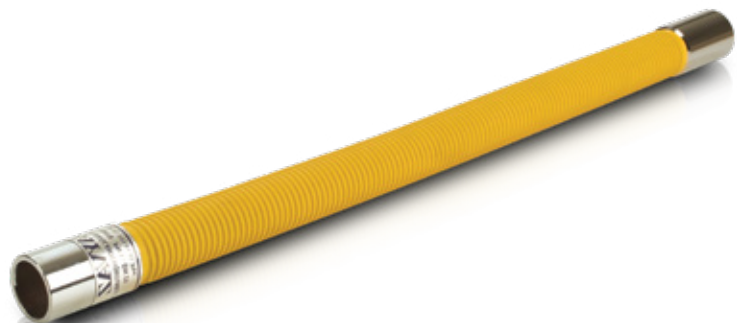
GAS HOSES DILATATION HOSE

APPLICATION AREAS

Seismic security areas
 Dilatation points
 Fire protection lines
 Industrial applications

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
 Hose Material Stainless Steel AISI 316L
 Fittings Material NiCr Coated Carbon Steel St. 37.2
 Fittings Types Welded Ends
 Cover Polyolefin Cover in Yellow or Coverless



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HOSE DIMENSIONS	DN	LENGTH (mm)
	12	500
	20	550
	25	600
	32	650
	40	750
	50	850

GAS HOSES
SERVICE-FLEX

APPLICATION AREAS

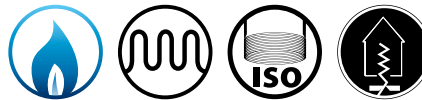
Under-soil natural gas connections from the main street lines to the buildings
Service-access point connections

PRODUCT FEATURES

Hose Type	Standard corrugated metal hose
Hose Material	Stainless Steel AISI 316L
Fittings Type	Outern threaded pipe end
Fittings Material	Carbon Steel St 37.2 EN ISO 10226
Cover	Special Polyethylene band



HOSE DIMENSIONS		
DN	CONNECTION	LENGTH (mm)
25	1"x1"	170 all sizes are available in between 5000
32	1 1/4" x 1 1/4"	
50	2"x2"	



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WATER & HVAC HOSES
SU-FLEX

APPLICATION AREAS

Sanitary applications
Dish washers and washing machines
Boiler and hot water tank connections
Radiator connections



PRODUCT FEATURES

Hose Type	Standard corrugated metal hose
Hose Material	Stainless Steel AISI 316L / AISI 304
Fittings Types	Nut-Nut (Male adapters are available)
Fittings Materials	Nut in Brass EN ISO 228/1
Cover	Non-covered
Gasket	Klingerit

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HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"	200 all sizes are available in between 5000
16	3/4"		

WATER & HVAC HOSES

KES-TAK (SELF ASSEMBLY KIT)

APPLICATION AREAS

Sanitary applications
Dish washers and washing machines
Boiler and hot water tank connections
Radiator connections

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
Hose Material Stainless Steel AISI 316L
Fittings Types Self assembly male adapters and nuts available
Fittings Materials Ni Coated Brass Nuts and male adapters
Clamping washer in Stainless Steel AISI 304
Gasket Asbestos free Klingerit
Operating Temp Max. 150°C



KES-TAK BOX COMPONENTS

Nut 10 pcs
Clamping Washer 10 pcs
Gasket 10 pcs
Crushing Screw 1 pcs
Flexible Metal Hose Please see the table below



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KES-TAK BOX DETAILS									
Hose Dia.	Fittings Dia.	Hose Length (m)	Gasket Qty	Internal Dia.	Tolerance (±)	External Dia.	Tolerance (±)	Operating Pressure	Bursting Pressure
DN10	3/8"	25	10	10,1	0,2	14,1	0,2	16 bar	64 bar
DN12	1/2"	25	10	12,1	0,2	16,5	0,3	16 bar	64 bar
DN16	3/4"	15	10	16,1	0,2	21,5	0,4	10 bar	40 bar
DN20	1"	10	10	20,1	0,2	26,5	0,5	6 bar	24 bar
DN25	1 1/4"	Please contact our Sales Team							
DN32	1 1/2"								
DN40	2"								



WATER & HVAC HOSES

KES-TAK (BAG)

KES-TAK BAG COMPONENTS

Kes-tak Piston
Kestak Piston heads in two different sizes
Cutting Device
Fittings set in two different sizes

KES-TAK FITTINGS SIZES (IN THE BAG)

1/2" - 3/4"
1/2" - 1"
3/4" - 1"

SELF ASSEMBLY IN 5 EASY STEPS



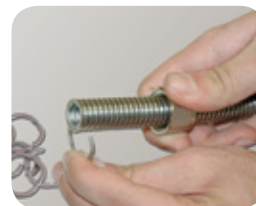
1. Measuring and cutting the hose



2. Slide the nut over the hose



3. Press the piston



4. Fit the clamping washer



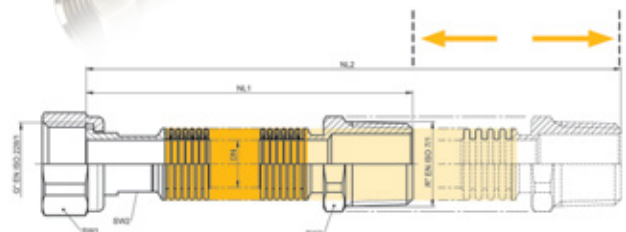
5. Insert the gasket

WATER & HVAC HOSES
AQUAFLEX - FULLY EXTENSIBLE (MIG SU)
APPLICATION AREAS

Sanitary applications
 Dish washers and washing machines
 Boiler and hot water tank connections
 Radiator connections

PRODUCT FEATURES

Hose Type Closed pitch corrugated extensible metal hose
 Hose Material Stainless Steel AISI 316L
 Fittings Types Female-Female, Female-Male
 Fittings Materials Nipple in stainless steel EN ISO 7/1
 Nut in Brass Ms58, EN ISO 228/1
 Internal parts in stainless steel
 Cover Polyolefin Cover in White or Coverless
 Norm UNI 7129



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	90x140 130x220 220x420
		1/2"x3/4"	
	20	3/4"x3/4"	300x600 500x1000 750x1500 1000x2000
25	1"x1"		


WATER & HVAC HOSES
COMBI CONNECTION SET
APPLICATION AREAS

Complete hose set includes Mig-Gas and Mig-Su hoses
 For combi boilers, gas and water connections

PRODUCT FEATURES

Hose Type Closed pitch corrugated extensible metal hose
 Hose Material Stainless Steel AISI 316L
 Fittings Types Female-Male
 Fittings Materials Male and internal parts are stainless steel
 Nut in Stainless Steel / Brass
 Cover Mig-Gas hose with Polyolefin Cover in Yellow
 Mig-Su hoses are coverless
 Gasket Klingerit / Aluminium



HOSE DIMENSIONS	DN	QTY	CONNECTION	LENGTH (mm)
	12	2	1/2"x1/2" MF	220x420
	20	2	3/4"x3/4" MF	
	20	1	3/4"x3/4" MF	

WATER & HVAC HOSES MIX-FLEX

APPLICATION AREAS

Kitchen Faucet connections
Bathroom Mixer tap connections
Domestic Water connections
Sanitary

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
Hose Material Stainless Steel AISI 316L
Fittings Type Male-Female
Fittings Materials Nipple in Stainless Steel M10x1
Nut in Ni Coated Brass EN ISO 228/1
Inner Parts in Stainless Steel
Kes-tak Female Connection
Cover Normally coverless, polyolefin cover in customized colours is optional
Gasket Klingerit or NBR



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HOSE DIMENSIONS		
DN	Connection	Length (mm)
8	M10x1 x 3/8" M10x1 x 1/2"	300 all sizes are available in between 1000

WATER & HVAC HOSES FAN-COIL HOSE

APPLICATION AREAS

Heating, air conditioning and ventilation applications
Combi and fan heating connections
Water heaters
Radiator connections

BRAIDED AND NON-BRAIDED HOSES WITH FITTINGS

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
Hose Material Stainless Steel AISI 316L
Braiding Material Stainless Steel AISI 304 (Braiding is optional)
Fittings Materials Carbon Steel St. 37.2/Stainless Steel
Fittings Type Female-Male
Insulation Material Rubber based special insulation (9-13 mm)
Cryogel X201 (Aspen Aerogels) (5-10 mm)



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HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	200 all sizes are available in between 2000
		1/2"x3/4"	
16	3/4"x3/4"		

SOLAR ENERGY HOSES

EZ-FLEX INSULATED SOLAR HOSES (2in1 and 1in1)

APPLICATION AREAS

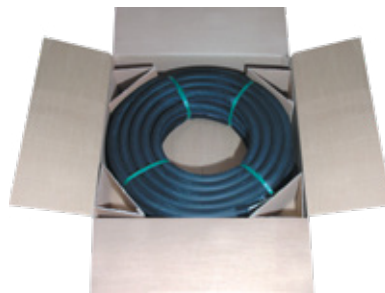
Solar energy applications
 Collector and solar boiler connections
 Hot water applications
 Drinking water connections

PRODUCT FEATURES

Hose Type Standard or open pitch corrugated metal hose
 Hose Material Stainless Steel AISI 316L
 Braiding Material Separable Polyamide braiding or non braided
 Sensor Cable Silicone Cable
 Insulation Material EPDM, rubber based insulation
 Insulation Thickness 9mm/13mm/19mm



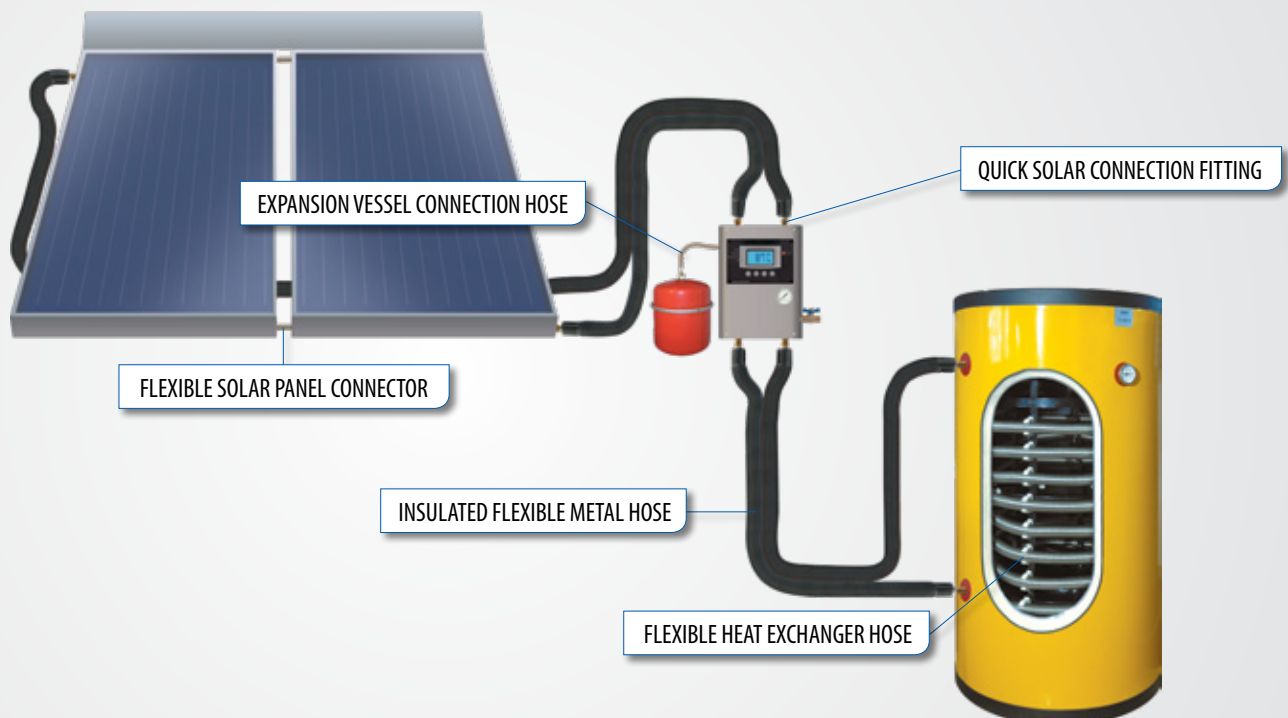
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COIL				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	10-50	10-50	10-50	10-50

BOBBIN				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	150	150	125	100

SOLAR CONNECTION SYSTEMS



SOLAR ENERGY HOSES NANOFLEX

APPLICATION AREAS

Solar energy applications
Collector and solar boiler connections
Industrial high temperature applications
Drinking water connections
Hot water applications

PRODUCT FEATURES

Hose Type Standard or open pitch corrugated metal hose
Hose Material Stainless Steel AISI 316L
Cover Separable UV resistant cover
Cover Color Black, white, red, grey
Sensor Cable Silicone Cable
Insulation Material Pyrogel XT aerogel insulation
Insulation Thickness 5mm



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COIL				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	10-50	10-50	10-50	10-50

BOBBIN				
Diameter (DN)	DN12	DN16	DN20	DN25
Max. Length (m)	150	150	125	100

"PAN-FLEX" FLEXIBLE CONNECTIONS BETWEEN SOLAR PANELS

APPLICATION AREAS

Solar collector connections

PRODUCT FEATURES

Hose Type Closed pitch corrugated highly flexible metal hose
Hose Material Stainless Steel AISI 316L
Fittings Material MS 58 Brass
Fittings Types Female-Female, Male-Male, Welded Ends, Push Connector, Press Type



HOSE DIMENSIONS	DN	CONNECTION	LENGTH (mm)
	12	1/2"x1/2"	50
	16	3/4"x3/4"	
20	1"x1"	100	

"QUICK SET" FITTINGS SYSTEM FOR INSULATED SOLAR HOSES WITHOUT GASKET



PRODUCT FEATURES

Fittings Material MS 58 Brass

Fittings Types:
Externally Threaded
Internally Threaded
Adapter
Welded End
Ermeto Nut

Male		Female		Adapter		Welded End		Ermeto Nut			
Hose Dia.	Con. Size	Hose Dia.	Con. Size	Hose Dia.	Con. Size	Hose Dia.	Con. Size	Hose Dia.	Con. Size	Hose Dia.	Con. Size
DN12 x 1/2"	DN12 x 1/2"	DN12 x 1/2"	DN12 x 1/2"	DN12 x DN12	DN12 x DN12	DN12 x 15 mm	DN12 x 15 mm	DN12 x 15 mm	DN20 x 18 mm		
DN12 x 3/4"	DN12 x 3/4"	DN12 x 3/4"	DN12 x 3/4"	DN16 x DN16	DN16 x DN16	DN16 x 15 mm	DN16 x 15 mm	DN12 x 18 mm	DN20 x 20 mm		
DN16 x 1/2"	DN16 x 1/2"	DN16 x 1/2"	DN16 x 1/2"	DN20 x DN20	DN20 x DN20	DN16 x 18 mm	DN16 x 18 mm	DN12 x 22 mm	DN20 x 22 mm		
DN16 x 3/4"	DN16 x 3/4"	DN16 x 3/4"	DN16 x 3/4"	DN25 x DN25	DN25 x DN25	DN16 x 22 mm	DN16 x 22 mm	DN16 x 15 mm	DN25 x 18 mm		
DN16 x 1"	DN16 x 1"	DN16 x 1"	DN16 x 1"			DN20 x 18 mm	DN20 x 18 mm	DN16 x 18 mm	DN25 x 22 mm		
DN20 x 3/4"	DN20 x 3/4"	DN20 x 3/4"	DN20 x 3/4"			DN20 x 22 mm	DN20 x 22 mm	DN16 x 22 mm			
DN20 x 1"	DN20 x 1"	DN20 x 1"	DN20 x 1"			DN25 x 22 mm	DN25 x 22 mm				
DN25 x 1"	DN25 x 1"	DN25 x 1"	DN25 x 1"								
DN25 x 1 1/4"	DN25 x 1 1/4"	DN25 x 1 1/4"	DN25 x 1 1/4"								

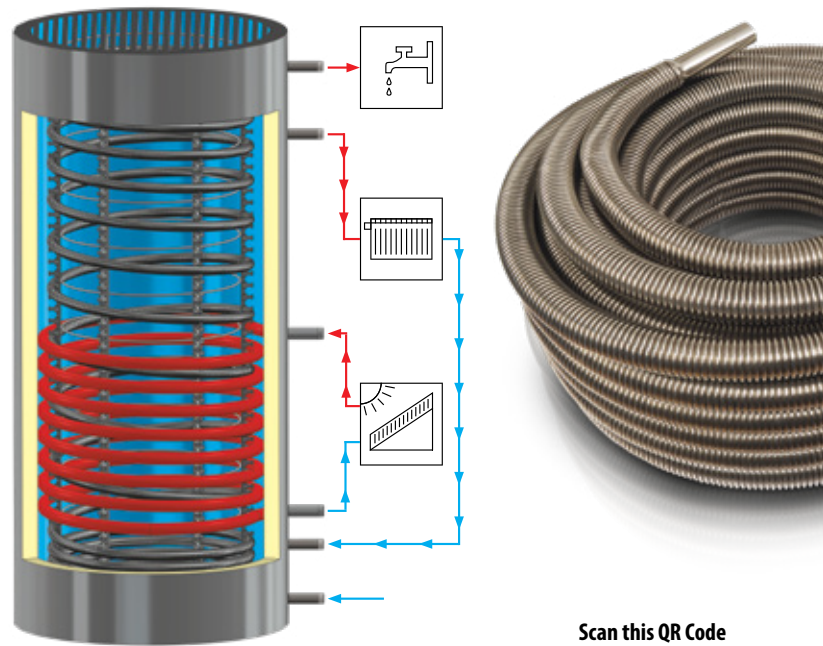
SOLAR ENERGY HOSES BOILER-FLEX

APPLICATION AREAS

Solar hot water boilers
Heat exchangers
Industrial high temperature applications
Drinking water connections

PRODUCT FEATURES

Hose Type Standard corrugated metal hose
 Open pitch corrugated metal hose
Hose Material Stainless Steel AISI 316L
Fittings Material Stainless Steel AISI 316
Fittings Types Internal and external threaded pipe



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CONNECTION TYPES

Standard Connections

- 1-Conic Sealing External Threaded (Male) Connection DIN EN 10226/1
- 2-Flat Sealing External Threaded (Male) Connection DIN EN 10226/1
- 3-Conic Sealing Internal Threaded (Female) Connection DIN EN 10226/1
- 4-Flat Sealing Internal Threaded (Female) Connection DIN EN 10226/1

Connection Dimensions				
DN	ØD	R" (Male)	Rp"-Rc" (Female)	L (mm)
16	21,3	1/2"x1/2"	3/8"x3/8"	100
20	26,9	3/4"x3/4"	1/2"x1/2"	
25	33,7	1"x1"	3/4"x3/4"	
32	42,4	1 1/4"x1 1/4"	1"x1"	150
40	48,3	1 1/2"x1 1/2"	1 1/4"x1 1/4"	
50	60,3	2"x2"	1 1/2"x1 1/2"	
	70	-	2"x2"	

DN	Type	Ød Internal Diameter (mm)	ØD External Diameter (mm)	Tolerance ± mm	Wall Thickness (mm)	Bending Radius		PN bar	Surface Area	Internal Volume
						rmin (mm)	r (mm)			
12	Standard	12,7	17,7	0,2	0,2	20	140	0-10	0,090 m ²	0,177 dm ³
16	Standard	15,5	20,8	0,2	0,2	28	160		0,112 m ²	0,254 dm ³
16	Open Pitched	16,5	21,35	0,2	0,18	25	195		0,091 m ²	0,276 dm ³
20	Standard	18,7	24,8	0,2	0,2	32	170		0,130 m ²	0,364 dm ³
20	Open Pitched	21	26,6	0,2	0,18	30	225	0,116 m ²	0,450 dm ³	
25	Standard	24,6	31,3	0,2	0,2	40	190	0-8	0,204 m ²	0,604 dm ³
25	Open Pitched	25,3	31,7	0,2	0,2	35	260		0,151 m ²	0,644 dm ³
25	Open Pitched	24,4	31,2	0,2	0,3	35	260		0,154 m ²	0,658 dm ³
32	Standard	33,35	41,15	0,3	0,3	50	260	0-6	0,269 m ²	1,073 dm ³
32	Open Pitched	32,4	39,9	0,3	0,3	40	300		0,197 m ²	1,034 dm ³
40	Standard	40,7	49,8	0,4	0,4	58	290		0,248 m ²	1,584 dm ³
50	Standard	51,4	60,2	0,4	0,25	68	300		0,329 m ²	2,472 dm ³

FIRE PROTECTION HOSES

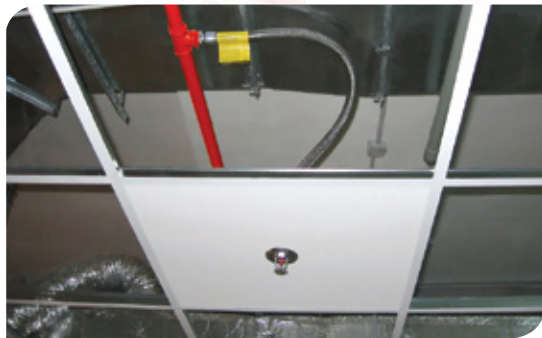
SPRINKLER HOSES (FM, VdS Approved)

APPLICATION AREAS

Fire protection systems

PRODUCT FEATURES

- Hose Type Standard corrugated metal hose
- Hose Material Stainless Steel AISI 316L
- Braiding Material Stainless Steel AISI 304
- Fittings Types Male-Internal threaded pipe
- Fittings Materials Carbon Steel St. 37.2/Stainless Steel (Optional)
- Min. Bending Radius 200mm



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HOSE DIMENSIONS (FM & VdS Approved)			
DN	CONNECTION		LENGTH (mm)
	Main Pipeline	Sprinkler	
20	DN20 (3/4") x 1/2"	DN20 (1") x 1/2"	500
			700
	1000		
25	DN25 (1") x 1/2"		1200
			1500
			2000

FIRE PROTECTION HOSES

SPRINKLER HOSES (UL Type)

PRODUCT FEATURES

- Hose Type Standard corrugated metal hose
- Hose Material Stainless Steel AISI 316L
- Fittings Types Male-Internal threaded pipe
- Fittings Materials Carbon Steel/Stainless Steel (Optional)
- Min. Bending Radius 200 mm



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HOSE DIMENSIONS (UL Type)			
DN	CONNECTION		LENGTH (mm)
	Main Pipeline	Sprinkler	
20	DN20 (1") x 1/2"		500
700			
25	DN25 (1") x 1/2"		1000
			1200
			1500
2000			





















THE WHITE BOOK



EXPANSION JOINTS
FLEXIBLE METAL HOSES
LEVEL CONTROLLERS
STEAM EQUIPMENT
VALVES



SYMBOLS FOR PRODUCT FEATURES AND QUICK SELECTION

- | | | | |
|---|----------------------------|---|---|
|  | Level Regulators |  | Suitable for Horizontal Installation |
|  | Level Electrodes |  | Suitable for Vertical Installation |
|  | Level Gauges |  | Suitable for installation in all directions |
|  | Level Sensing Elements |  | Suitable for steam applications |
|  | Float Switches |  | Suitable for acidic media |
|  | Threaded Connection |  | Suitable for hot water applications |
|  | Max. Operating Pressure |  | Suitable for Oil media |
|  | Flange Standards |  | Ball Valve |
|  | | | |
|  | Max. Operating Temperature | | |



LEVEL REGULATORS
FANTINI COSMI LEVEL REGULATORS
APPLICATION AREAS

Steam boilers
Pressured vessels
Tanks

PRODUCT FEATURES

Body Ductile Iron GGG 40.3
 Float Stainless Steel AISI 316
 Teflon Coated (Optional)
 Shaft Stainless Steel AISI 316
 Bellows Stainless Steel AISI 316L
 Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Pressure 25 bar
 Max. Operating Pressure 16 bar
 Switching Capacity 380 V-3A-1.1kW- A.C
 220 V-1A-220VA-D.C
 Control Range 15-75mm for A1
 15-30mm for A2



DIMENSIONS	
FLANGED (DN)	SCREWED (inch)
25	1"

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LEVEL ELECTRODES
ELK-4/ELK-4F
APPLICATION AREAS

Steam boilers
Supply tanks
Chemical applications
Marine application

PRODUCT FEATURES

Box Panel Aluminium Injection
 Body Stainless Steel 1.4517
 Flange Forged Steel 1.0460
 Electrodes Stainless Steel 1.4517
 Electrode Insulation PTFE
 Intermediate Disc PTFE
 Connections Flanged and threaded
 Max. Operating Pressure 32 bar
 Max. Operating Temperature 238°C

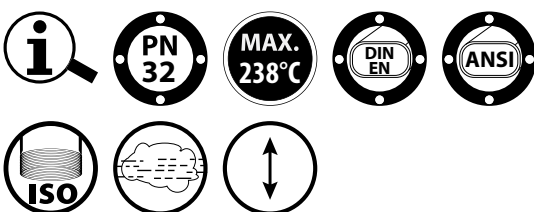
OPERATING CONDITIONS

Main Power Supply 230V ± 10%, 50-60 Hz
 115V ± 10%, 50-60 Hz
 24V ± 10%, 50-60 Hz
 Power Consumption 5 VA
 Fuse Thermal fuse Tmax=115°C
 Precision Degree 1: 10µS
 Degree 2: 0.5µS
 Output 3 Volt-free relay contact (dry)



DIMENSIONS		
ELK4 (Threaded) DIN ISO 228/1	ELK 4F (Flanged) PN 40, DIN 2635	Length (mm)
1"	DN50	500 1000 1500

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LEVEL ELECTRODES

KP-01 CAPACITIVE LEVEL ELECTRODE

APPLICATION AREAS

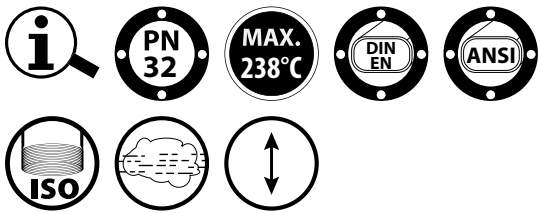
Steam boilers
Supply tanks
Concrete tanks
Plastic tanks
Marine applications

PRODUCT FEATURES

Body: Stainless Steel 1.4517
Box Panel: Aluminium Injection
Flange: Forged Steel 1.0460
Electrodes: Stainless Steel 1.4517
Electrode Insulation: PTFE
Intermediate Disc: PTFE
Connections: Flanged and threaded
Max. Operating Pressure: 32 bar
Max. Operating Temperature: 238°C

OPERATING CONDITIONS

Main Power Supply: 230V ± 10%, 50-60 Hz
24V ± 10%, 50-60 Hz
Power Consumption: 5 VA
Fuse: Thermal fuse Tmax=115°C
Precision: Degree 1: Water ≥ 0.5µS/cm
Degree 2: Water ≥ 20µS/cm
Degree 3: Fuel Oil er 2.3
Output: 4-20 m Analog Proportional



* Please contact our sales team for our bigger lengths.

DIMENSIONS		
KP01 (Threaded) DIN ISO 228/1	KP01-F (Flanged) PN 40, DIN 2635	Length (mm)
3/4"	DN50	300 all sizes are available in between 2000

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LEVEL GAUGES

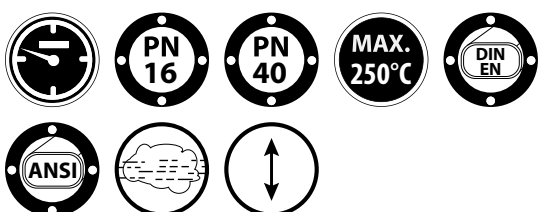
RC-11 LEVEL GAUGE WITH SIGHT GLASS

APPLICATION AREAS

Steam boilers
Pre heating tanks
Chemical applications

PRODUCT FEATURES

Body: Cast Iron GG-25
Frame: A105
Drain Plug and Liquid main Body: Cast Iron GG-25
Connections: Flange
Max. Operating Pressure: 16 bar/40 bar
Max. Operating Temperature: 250°C



* Please contact our sales team for our bigger lengths.

DIMENSIONS	
RC-11 (Flanged) PN 16, PN 40	Length (mm)
DN20	300 all sizes are available in between 3000

Scan this QR Code



LEVEL GAUGES

MGK-33 MAGNETIC LEVEL GAUGE

APPLICATION AREAS

Steam boilers
 All liquid tanks
 Chemical industry
 LPG tanks, underground tanks
 Marine applications

PRODUCT FEATURES

Body	Stainless Steel AISI 316
Float	Stainless Steel AISI 316L
Magnetic Disc	Aluminium
Flange Material	Carbon Steel St. 37.2 / Stainless Steel (Optional)
Connections	Flange
Max. Operating Pressure	25 bar
Max. Permissible Temperature	200°C
Contact Signal	Yes
Drain Plug	3/4"



* Please contact our sales team for our bigger lengths.



DIMENSIONS	
MGK-33 (Flanged) PN 16	Length (mm)
DN15 DN20 DN25	300 all sizes are available in between 5000

Scan this QR Code



LEVEL GAUGES

MG-33 MAGNETIC LEVEL GAUGE

APPLICATION AREAS

Steam boilers
 All liquid tanks
 Chemical industry
 LPG tanks, underground tanks
 Marine applications

PRODUCT FEATURES

Body	Stainless Steel AISI 316
Float	Stainless Steel AISI 316L
Magnetic Disc	Plastic
Flange Material	Carbon Steel St. 37.2 (Opt. Stainless Steel)
Connections	Flange
Max. Operating Pressure	16 bar
Max. Permissible Temperature	160°C
Contact Signal	Yes
Drain Plug	3/4"



* Please contact our sales team for our bigger lengths.



DIMENSIONS	
MG-33 (Flanged) PN 16	Length (mm)
DN15 DN20 DN25	300 all sizes are available in between 5000

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LEVEL GAUGES

MG-33P MAGNETIC LEVEL GAUGE (PVC)

APPLICATION AREAS

Marine applications
All liquid tanks
Chemical industry
Condensing tanks
Acid tanks

PRODUCT FEATURES

Body and Float	PVC
Magnetic Disc	Plastic
Flange Material	PP-V
Connections	Flange
Max. Operating Pressure	6 bar
Max. Permissible Temperature	70°C
Contact Signal	Yes



* Please contact our sales team for our bigger lengths.



DIMENSIONS	
MG-33P (Flanged) PN 6	Length (mm)
DN20	300 all sizes are available in between 3000

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LEVEL GAUGES

MG-33S MAGNETIC LEVEL GAUGE

Steam boilers
All liquid tanks
Chemical industry
LPG tanks, underground tanks
Marine applications

PRODUCT FEATURES

Body	Stainless Steel AISI 316
Float	Stainless Steel AISI 316L
Magnetic Disc	Plastic
Flange Material	Carbon Steel St. 37.2 (Opt. Stainless Steel)
Connections	Flange
Max. Operating Pressure	10 bar
Max. Permissible Temperature	160°C
Contact Signal	No
Drain Plug	3/8"



* Please contact our sales team for our bigger lengths.



DIMENSIONS	
MG-33S (Flanged) PN 10	Length (mm)
DN20	300 all sizes are available in between 3000

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LEVEL GAUGES

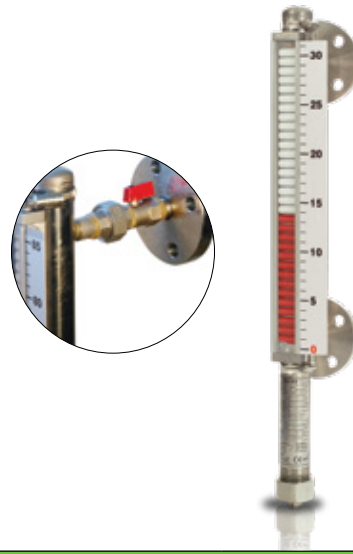
MG-33SC MAGNETIC LEVEL GAUGE WITH SCALE

APPLICATION AREAS

Steam boilers
 All liquid tanks
 Chemical industry
 LPG tanks, underground tanks
 Marine applications

PRODUCT FEATURES

Body	Stainless Steel AISI 316
Float	Stainless Steel AISI 316L
Magnetic Disc	Plastic
Flange Material	Carbon Steel St. 37.2 (Opt. Stainless Steel)
Connections	Flange
Max. Operating Pressure	10 bar
Max. Permissible Temperature	160°C
Contact Signal	No
Drain Plug	3/8"



DIMENSIONS	
MGK-33SC (Flanged) PN 10	Length (mm)
DN20	300 all sizes are available in between 3000

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* Please contact our sales team for our bigger lengths.

LEVEL SENSING ELEMENTS

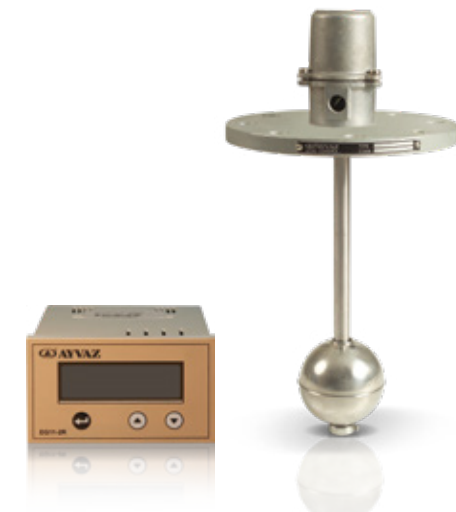
EG-11 DIGITAL LEVEL SENSING ELEMENT

APPLICATION AREAS

Ship building
 Waste/pure water tanks
 Food industry
 Acid tanks
 Fuel tanks
 Chemical and petrochemical tanks

PRODUCT FEATURES

Body and Float	Stainless Steel AISI 304
Supply Voltage	220 VAC (24 V optional)
Flange Material	Carbon Steel St. 37.2/Stainless Steel
Max. Permissible Temperature	-10/+125°C
Analog Output	4-20 mA or (0-10V)
Max. Operating Pressure	16 bar
Connections	Flange, BSP or NPT Threaded
Accessories	Control Panel and D.Display



DIMENSIONS		
EG 11 (Threaded) BSP or NPT	EG 11 (Flanged) PN 10	Length (mm)
2"	DN50 DN100	300 all sizes are available in between 3000

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* Please contact our sales team for our bigger lengths.

LEVEL SENSING ELEMENTS

AU-22 ANALOGUE LEVEL SENSING ELEMENT

APPLICATION AREAS

- Ship building
- Waste/pure water tanks
- Food industry
- Acid tanks
- Fuel tanks
- Chemical and petrochemical tanks

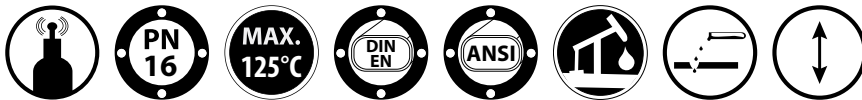
PRODUCT FEATURES

Body and Float	Stainless Steel AISI 304
Max. Permissible Temperature	-10/+125°C
Flange Material	Carbon Steel St. 37.2/Stainless Steel
Max. Switch Voltage	400 VAC/DC
Max. Operating Pressure	16 bar
Connections	Flange, BSP or NPT Threaded
Accessories	Control Panel with 4 contacts
Contact Types	N.O (Normally Open) C.O (Change Over)
Switch Capacity	N.O 60 VA C.O 60 VA
Switch Circuit	N.O 3.0 VA C.O 1.0 VA
Contact Quantity	N.O 6 max C.O 2 max



DIMENSIONS		
AU-22 (Threaded) BSP or NPT	AU-22 (Flanged) PN 10	Length (mm)
2"	DN50 DN100	300 all sizes are available in between 3000

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* Please contact our sales team for our bigger lengths.

LEVEL SENSING ELEMENTS

AU-21 ANALOGUE LEVEL SENSING ELEMENT

APPLICATION AREAS

- Ship building
- Waste/pure water tanks
- Food industry
- Acid tanks
- Fuel tanks
- Chemical and petrochemical tanks

PRODUCT FEATURES

Body and Float	Stainless Steel AISI 304
Max. Permissible Temperature	-10/+125°C
Max. Switch Voltage	400 VAC/DC
Max. Operating Pressure	16 bar
Connections	3/8" Threaded
Min Density	0.8 kg/m³
Contact Types	N.O (Normally Open) C.O (Change Over)
Switch Capacity	60 VA
Switch Circuit	1.0 VA



DIMENSIONS	
AU-22 (Threaded) BSP or NPT	Length (mm)
3/8"	100 all sizes are available in between 700

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* Please contact our sales team for our bigger lengths.

LEVEL SENSING ELEMENTS

AU-20 ANALOGUE LEVEL SENSING ELEMENT

APPLICATION AREAS

Ship building
Waste/pure water tanks
Food industry
Acid tanks
Fuel tanks
Chemical and petrochemical tanks

PRODUCT FEATURES

Body and Float	Stainless Steel AISI 304
Max. Permissible Temperature	-10/+125°C
Max. Switch Voltage	400 VAC/DC
Max. Operating Pressure	10/16 bar
Connections	3/8" Threaded
Min Density	0.8 kg/m ³
Contact Types	N.O (Normally Open)
Switch Capacity	60 VA
Switch Circuit	3.0 VA



DIMENSIONS	
AU-20 All Types	Length (mm)
3/8"	100

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VERSIONS

AU-20 YD



AU-20 YK



AU-20 DK



AU-20 DD



FLOW SWITCHES

AK-100 FLOW SWITCH

APPLICATION AREAS

Heating systems
Air conditioning
Cooling lines
Oil circuits

PRODUCT FEATURES

Sheet Body	Stainless Steel
Cover	ABS
Gasket	NBR
Fittings Type	Female 1"
Fittings Material	Brass MS 56
Max. Liquid Pressure	11 bar
Max. Liquid Temperature	-30/+120°C
Micro Switches	15 (8) A-220V



DIMENSIONS	
AK-100 Threaded	Quantity of Adjustment Plates
1"	5 pcs

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FLOAT SWITCHES
C-4 FLOAT SWITCH

APPLICATION AREAS

- Water storage tanks
- Waste water tanks
- Shipbuilding
- Fuel tanks
- Small boilers
- Condensate tanks
- Chemical storage vessels

PRODUCT FEATURES

- | | |
|----------------------------|---------------------------------------|
| Float | Stainless Steel AISI 316L |
| Connections | Square Flange |
| Flange Material | Carbon Steel St. 37.2/Stainless Steel |
| Shaft | Aluminium Injection |
| Micro switches | 16A (Normally open or closed) |
| Max. Operating Pressure | 6/16 bar |
| Max. Operating Temperature | -20/+150°C |



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DIMENSIONS	
C-4 Square Flange (mm)	Length (mm)
94x94x15	From flange to the end of the float 250 mm



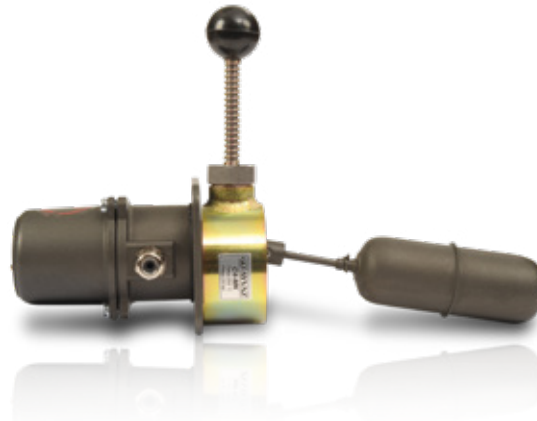
FLOAT SWITCHES
C-4 FLOAT SWITCH WITH CONTROL UNIT

APPLICATION AREAS

- Water storage tanks
- Waste water tanks
- Shipbuilding
- Fuel tanks
- Small boilers
- Condensate tanks
- Chemical storage vessels

PRODUCT FEATURES

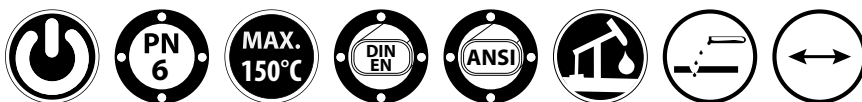
- | | |
|----------------------------|---------------------------------------|
| Float | Teflon Coated Stainless Steel |
| Connections | Square Flange |
| Flange Material | Carbon Steel St. 37.2/Stainless Steel |
| Shaft | Aluminium Injection |
| Micro switches | 16A (Normally open or closed) |
| Max. Operating Pressure | 6 bar |
| Max. Operating Temperature | -20/+150°C |



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DIMENSIONS	
C-4 Square Flange (mm)	Length (mm)
94x94x15	From flange to the end of the float 250 mm



FLOAT SWITCHES
C-2 FLOAT SWITCH

APPLICATION AREAS

- Water storage tanks
- Waste water tanks
- Fuel tanks
- Small boilers
- Condensate tanks
- Chemical storage vessels

PRODUCT FEATURES

Float	Stainless Steel AISI 316L
Connections	BSP Threaded (Female)
Cover	ABS
Gasket	NBR
Micro switches	16A (Normally open or closed)
Max. Operating Pressure	6 bar
Max. Operating Temperature	-20/+150°C



DIMENSIONS	
C-2 BSP Threaded (Female)	Length (mm)
1"	From flange to the end of the float 170 mm

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FLOAT SWITCHES
KTS-50 FLOAT VALVE

APPLICATION AREAS

- Water storage tanks
- Waste water tanks
- Small boilers
- Condensate tanks

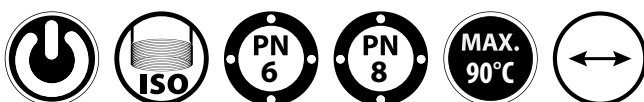
PRODUCT FEATURES

Float	Stainless Steel AISI 316L
Body	Carbon Steel
Movement Parts	Stainless Steel 304
O-Ring	EPDM
Closing Valve Gasket	PTFE
Max. Operating Pressure	6/8 bar
Max. Operating Temperature	90°C
Connection	3/4" Male



DIMENSIONS			
Float Type	ØD0 (mm)	ØD (mm)	PN
Standard Float	150	156	6
Large Float	220	245	8

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THE WHITE BOOK



EXPANSION JOINTS
FLEXIBLE METAL HOSES
LEVEL CONTROLLERS
STEAM EQUIPMENT
VALVES



SYMBOLS FOR PRODUCT FEATURES AND QUICK SELECTION



Float Type Steam Traps



Thermodynamic Steam Traps



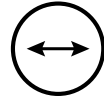
Thermostatic Steam Traps



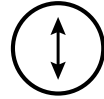
Max. Product Pressure



Flange Connections



Horizontal Installation



Vertical Installation



Installation on both direction



Condensate



Threaded Connection



Max. Product Temperature



SELECTION OF STEAM TRAPS

In order to get maximum efficiency and service life from the steam lines and, and steam related systems, it is crucial to make the correct steam trap selection. The point of view on the steam traps which defines all the traps in the same conception that is "a trap is a trap" may cause un-anticipated and high operating costs and affect the quality of work relatively.

Understanding the importance of the correct steam trap selection is the key factor of the high efficiency and low operating costs for steam systems.

Mechanical Designs:

Mechanical trap operation relies on the movement of open or closed floating parts to activate the valve.

- Float type steam traps with thermostatic air vent use a sealed spherical float which becomes buoyant when the condensate level in the trap rises and actuates the valve. It is unaffected by instantaneous pressure changing.

These type of steam traps specially used where prompt and continuous discharge of condensate is necessary.

Thermostatic Steam Traps:

Thermostatic traps operate with the temperature changes of the condensate, a falling temperature opens the valve and an increasing temperature closes the valve. Valve movement is adjusted by a thermostatic capsule.

- The increase in volume collected by the vaporization of liquid raises the vapour pressure inside the capsule. At some point internal pressure of the capsule becomes greater than the system pressure and the diaphragm is forced to extend in the direction of the valve and close the valve. As the temperature reduces the vapour pressure in the capsule reduces and make diaphragm to relax and open the valve.

Thermodynamic Steam Traps:

These type of steam traps operate by the internal pressure difference of the steam and the condensate.

- Condensate that reaches to the trap raises the disc and open the orifice and flow continuously by the help of the steam pressure which is behind the condensate through the discharge orifice.

The following table is given to prevent the confusion of the steam trap selection and to help selection of the most appropriate product accordingly.

STEAM TRAP SELECTION TABLE				
APPLICATION		STEAM TRAP CHOICE		
		1st	2nd	3rd
Steam Main Lines		TDK	TKK	SK
Tracing		TKK	BT	TDK
Tanks	Storage Tanks	SK	TKK/3	-
	Oil Tanks			
	Evaporators			
	Blenders			
	Fuel-oil Tanks			
	Suction Heaters			
Heating Equipment	Unit Heaters	TKK	SK	TKK/3
	Sugar Dryers			
	Drying Rooms			
	Greenhouse Coils			
Pans	Jacketed Pans	SK	TKK/3	TKK
	Tilting Kettles			
	Brew Kettles			
	Candy Kettles			
	Cheese Kettles			
	Submerged Coils			
Heat Exchangers	Plating Tanks	SK	TKK/3	-
	Fuel-oil Preheaters			
	Water Heaters			
Drying Cylinders	Paper Dryers	SK	TKK/3	-
	Pulp Dryers			
	Rotary Dryers			
	Calenders			
Preses	Plywood presses	TKK	TDK	BT
	Molding Presses			
	Tire Mold Presses			
	Milk Dryers			
Ovens	Autoclaves	SK	TKK	BT
	Drum Dryers			
	Streilizers			
Irons	Manual Irons	TDK	SK	TKK
	Press Irons			
Turbines		TDK	BT	-
Marine Applications		TDK	BT	TKK

- TKK** : Thermostatic Steam Trap
TKK/3 : Thermostatic Steam Trap with 3 capsules
TDK : Thermodynamic Steam Trap
BT : Bi-Metalic Steam Trap
SK : Float Type Steam Trap

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-50**

APPLICATION AREAS

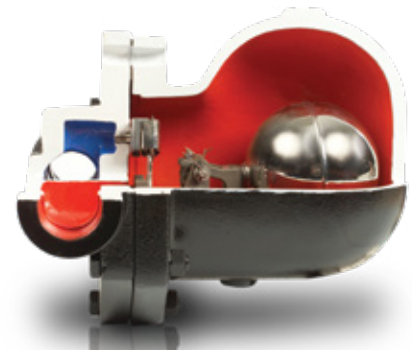
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover 1" Ductile Iron GGG-40.3
1 1/4"-2" Cast Iron GG-25
Internals and float Stainless Steel AISI 304
Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C
Max. Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-50B**

APPLICATION AREAS

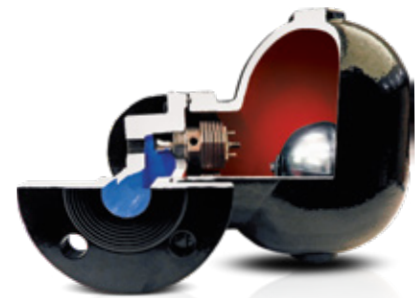
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover 1" Ductile Iron GGG-40.3
1 1/4"-2" Cast Iron GG-25
Internals and float Stainless Steel AISI 304
Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C
Max. Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-51/SK-51C**

APPLICATION AREAS

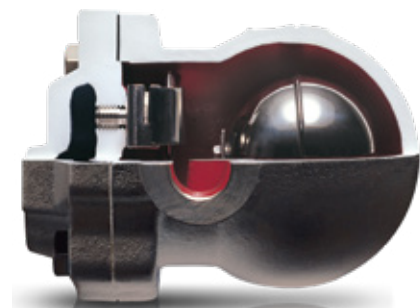
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body Ductile Iron GGG 40.3
Cover Ductile Iron GGG 40.3
Internals and float Stainless Steel AISI 304
Connection Types Flanged and threaded
* SK-51C: The thermostatic unit can be disabled by balance rod.

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C
Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT SK-51 SLR

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body Ductile Iron GGG 40.3
 Cover Ductile Iron GGG 40.3
 Internals and float Stainless Steel AISI 304
 Connection Types Flanged and threaded
 * SK-51C: The thermostatic unit can be disabled by balance rod.

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
 Max. Operating Temperature (TMO) 250°C
 Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT SK-55

APPLICATION AREAS

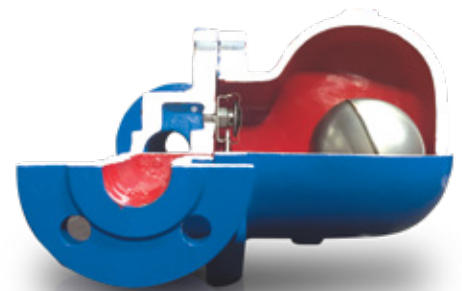
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Cast Iron GG 25
 Internals and float Stainless Steel
 Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
 Max. Operating Temperature (TMO) 250°C
 Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
32	1 1/4"
40	1 1/2"
50	2"

FLOAT TYPE STEAM TRAPS WITH AIR VENT SK-55 WITH SIGHT GLASS

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Ductile Iron GGG-40.3
 Internals and float Stainless Steel AISI 304
 Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
 Max. Operating Temperature (TMO) 250°C
 Differential Pressure (ΔP) 4,5-10-14



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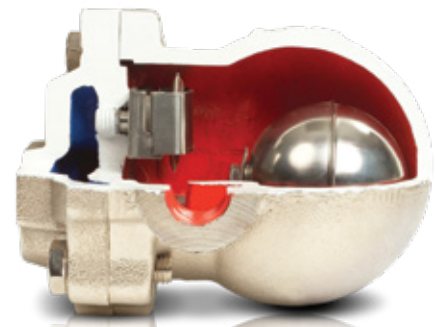
DIMENSIONS	
FLANGED (DN)	THREADED (inch)
32	1 1/4"
40	1 1/2"
50	2"

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-61/SK-61C**

APPLICATION AREAS
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES
Body and Cover: Stainless Steel AISI 316
Internals and float: Stainless Steel
Connection Types: Flanged and threaded
* SK-61C: The thermostatic unit can be disabled by balance rod.

OPERATING CONDITIONS
Max. Operating Pressure (PMO): 25 bar
Max. Operating Temperature (TMO): 250°C
Max. Differential Pressure (ΔP): 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-61 WITH SIGHT GLASS**

APPLICATION AREAS
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES
Body and Cover: Stainless Steel AISI 316
Internals and float: Stainless Steel
Connection Types: Flanged and threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO): 25 bar
Max. Operating Temperature (TMO): 250°C
Max. Differential Pressure (ΔP): 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

**FLOAT TYPE STEAM TRAPS WITH AIR VENT
SK-70**

APPLICATION AREAS
Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES
Body and Cover: Cast Steel GSC 25
Internals and float: Stainless Steel
Connection Types: Flanged and threaded

OPERATING CONDITIONS
Max. Operating Pressure (PMO): 25 bar
Body Pressure Class: PN32
Max. Operating Temperature (TMO): 250°C
Differential Pressure (ΔP): 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT SK-70 WITH SIGHT GLASS

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Cast Steel GSC 25
Internals and float Stainless Steel AISI 304
Connection Types Flanged and threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 32 bar
Max. Operating Temperature (TMO) 250°C
Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE STEAM TRAPS WITH AIR VENT SK-80

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

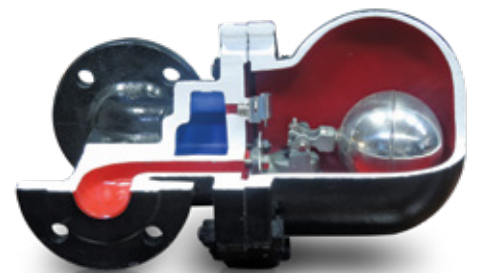
PRODUCT FEATURES

Body Ductile Iron GGG 40.3
Cover Ductile Iron GGG 40.3
Internals and float Stainless Steel AISI 304
Connection Types Flanged and threaded

* SK-51C: The thermostatic unit can be disabled by balance rod.

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C
Differential Pressure (ΔP) 4,5-10-14



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

INVERTED BUCKET STEAM TRAPS BT-16

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Ductile Iron GGG 40.3
Internals and float Stainless Steel AISI 304
Connection Types threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 220°C
Differential Pressure (ΔP) 5,4-8,5-15,5



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DIMENSIONS	
THREADED (inch)	
1/2"	
3/4"	
1"	

FREE FLOAT TYPE STEAM TRAPS

SFK-40

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Ductile Iron GGG 40.3
 Float Stainless Steel
 Filter and Shooter Air Unit Stainless Steel

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
 Max. Operating Temperature (TMO) 220°C
 Differential Pressure (ΔP) 4,5-10-14 bar



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"



FREE FLOAT TYPE STEAM TRAPS

SFK-61

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Stainless Steel AISI 316
 Float Stainless Steel AISI 304
 Filter and Shooter Air Unit Stainless Steel AISI 304

OPERATING CONDITIONS

Body Pressure Class PN25
 Max. Operating Pressure (PMO) 25 bar
 Operating Temperature Range -10/+220 °C
 Max. Operating Temperature (TMO) 220°C
 Differential Pressure (ΔP) 4,5-10-14 bar



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"



FREE FLOAT TYPE STEAM TRAPS

SFK-70

APPLICATION AREAS

Tanks, pans, heat exchangers, drying cylinders, ovens

PRODUCT FEATURES

Body and Cover Cast Steel
 Internals and float Stainless Steel AISI 304
 Connection Threaded, Flanged, Weld end

OPERATING CONDITIONS

Body Pressure Class PN32
 Max. Operating Pressure (PMO) 25 bar
 Max. Operating Temperature (TMO) 220°C
 Differential Pressure (ΔP) 4,5-10-14 bar



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"



THERMODYNAMIC STEAM TRAPS
TDK-45

APPLICATION AREAS

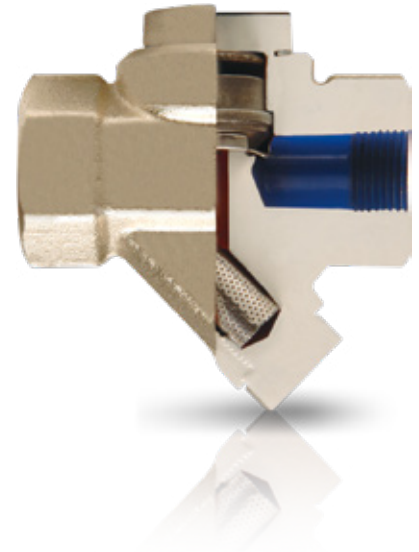
Main steam lines
Turbines
Marine applications
Presses
Irons

PRODUCT FEATURES

Body	Forged Steel
Cover	Stainless Steel AISI 304
Strainer,disc,seat	Stainless Steel AISI 304
Connection Types	Flanged, threaded, socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 40 bar
Max. Operating Temperature (TMO) 400°C



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DIMENSIONS	
FLANGED (DN)	THREADED AND SOCKET (inch)
15	1/2"
20	3/4"
25	1"

THERMODYNAMIC STEAM TRAPS
TDK-71

APPLICATION AREAS

Main steam lines
Turbines
Marine applications
Presses
Irons

PRODUCT FEATURES

Body	Stainless Steel AISI 304
Cover	Stainless Steel AISI 304
Strainer,disc,seat	Stainless Steel AISI 304
Connection Types	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 42 bar
Body Pressure Class PN63
Max. Operating Temperature (TMO) 400°C



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DIMENSIONS	
THREADED (inch)	
1/2"	
3/4"	
1"	

**BI-METALLIC STEAM TRAP
TK-1**

APPLICATION AREAS

Drying units
Pressing units
Steam jacket pipelines
Convactor heaters
Heaters

PRODUCT FEATURES

Body	Forged Steel
Cover	Stainless Steel AISI 304
Strainer, disc, seat	Stainless Steel AISI 304
Connection Types	Flanged, Threaded, Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 40 bar
Max. Operating Temperature (TMO) 400°C



DIMENSIONS	
FLANGED (DN)	THREADED AND SOCKET (inch)
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"

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**THERMOSTATIC STEAM TRAPS
HTT-6**

APPLICATION AREAS

Hygienic Applications
Food and Beverage Industries

PRODUCT FEATURES

Body and Coupling	Stainless Steel AISI 316L
Seat - Gasket	PTFE, Teflon
Thermostatic Capsule	Hastelloy - Stainless Steel
Connections	Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 6 bar
Max. Operating Temperature (TMO) 140°C



THERMOSTATIC STEAM TRAPS
TKK-2Y

APPLICATION AREAS

Sugar dryers
Unit heaters
Plywood dryers
Irons
Ovens

PRODUCT FEATURES

Body and Cover	Forged Steel
Strainer, Seat	Stainless Steel AISI 304
Thermosatic Capsule	Hastelloy
Check Valve	Brass MS 58
Connections	Flanged, Threaded, Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 32 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
FLANGED (DN)	THREADED AND SOCKET (inch)
15	1/2"
20	3/4"
25	1"

THERMOSTATIC STEAM TRAPS
TKK-2N

APPLICATION AREAS

Drying units
Pressing units
Steam jacket pipelines
Convactor heaters
Heaters

PRODUCT FEATURES

Body and Cover	Forged Steel
Strainer, Seat	Stainless Steel AISI 304
Thermosatic Capsule	Hastelloy - Stainless Steel
Check Valve	Brass MS 58
Connections	Flanged, Threaded and Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 32 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
FLANGED (DN)	THREADED AND SOCKET (inch)
15	1/2"
20	3/4"
25	1"

**THERMOSTATIC STEAM TRAPS
TKK-21**

APPLICATION AREAS

Sugar dryers
Unit heaters
Plywood dryers
Irons
Ovens

PRODUCT FEATURES

Body and Cover	Forged Steel
Strainer, Seat	Stainless Steel AISI 304
Thermostatic Capsule	Hastelloy
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 32 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
THREADED (inch)	
1/4"	
3/8"	
1/2"	

**THERMOSTATIC STEAM TRAPS
TKK-41/42**

APPLICATION AREAS

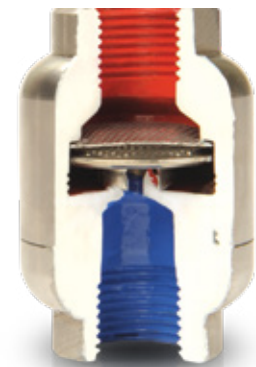
Drying units
Pressing units
Steam jacket pipelines
Convactor heaters
Heaters

PRODUCT FEATURES

Body	Stainless Steel AISI 304 (TKK-41) Stainless Steel AISI 316 (TKK-42)
Thermostatic Capsule	Hastelloy
Strainer, seat	Stainless Steel AISI 304
Connection Types	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 45 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
THREADED (inch)	
1/2"	
3/4"	
1"	

THERMOSTATIC STEAM TRAPS
HK-23 SUPER CONDENSATE RELEASER

APPLICATION AREAS

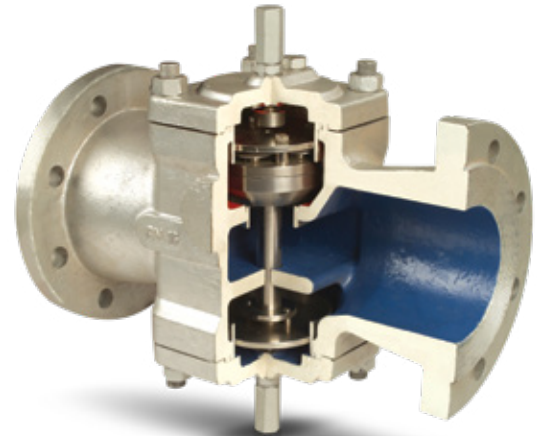
Sugar industry
Heating batteries
Pans
Ovens
Drying cylinders

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Thermostatic Capsule	Hastelloy & Stainless Steel
Internals	Stainless Steel AISI 304
Connections	Flanged

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	21 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS	
FLANGED (DN)	
	50
	65
	80
	100

THERMOSTATIC STEAM TRAPS
TKK-3 WITH 3 CAPSULES

APPLICATION AREAS

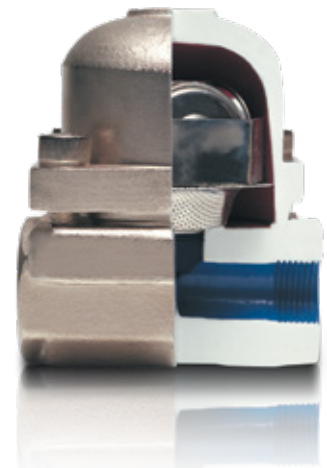
Drying units
Pressing units
Steam jacket pipelines
Convector heaters
Heaters

PRODUCT FEATURES

Body and Cover	Forged Steel
Thermostatic Capsule	Stainless Steel AISI 304
Strainer, seat	Stainless Steel AISI 304
Connection Types	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	32 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS	
FLANGED (DN)	THREADED AND WELDED (inch)
15	1/2"
20	3/4"
25	1"
32	1 1/4"
40	1 1/2"
50	2"

VACUUM BREAKERS

VK-70

APPLICATION AREAS

Hydrophores
 Boiler feeding lines
 Boiler pipes
 Container feeding and discharging lines

PRODUCT FEATURES

Body	Brass
Cover	Brass
Internals	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS
THREADED (mm)
1/2"

VACUUM BREAKERS

VK-71

APPLICATION AREAS

Hydrophores
 Boiler feeding lines
 Boiler pipes
 Container feeding and discharging lines

PRODUCT FEATURES

Body	Stainless Steel AISI 304
Cover	Stainless Steel AISI 304
Internals	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	25 bar
Max. Operating Temperature (TMO)	400°C



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DIMENSIONS
THREADED (mm)
1/2"

THERMOSTATIC AIR DRAINERS
TKK-11 AIR ELIMINATOR

APPLICATION AREAS

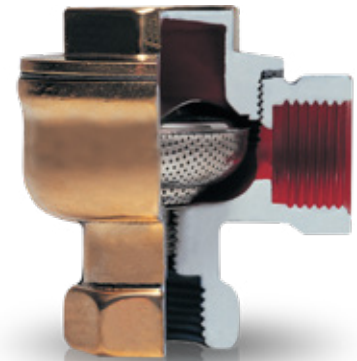
Irons
Radiators
Textile industry
Unit heaters
Plywood dryers

PRODUCT FEATURES

Body and Cover	Brass
Thermostatic Capsule	Hastelloy
Internals	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	10 bar
Max. Operating Temperature (TMO)	150°C



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DIMENSIONS	
THREADED (mm)	
1/4"	
3/8"	
1/2"	



THERMOSTATIC AIR DRAINERS
TKK-61 AIR ELIMINATOR

APPLICATION AREAS

Irons
Radiators
Textile industry
Unit heaters
Plywood dryer

PRODUCT FEATURES

Body and Cover	Brass
Thermostatic Capsule	Hastelloy
Internals	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	10 bar
Max. Operating Temperature (TMO)	150°C



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DIMENSIONS	
THREADED (mm)	
1/2"	



FLOAT TYPE AIR DRAINERS
HA-51 AIR DRAINER

APPLICATION AREAS

Hot and cold water pipelines
Water heaters and boilers
Textile industry
Unit heaters
Plywood dryers

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Internals and float	Stainless Steel AISI 304
Connections	Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE AIR DRAINERS
HA-50 AIR DRAINER

APPLICATION AREAS

Hot and cold water pipelines
Water heaters and boilers
Textile industry
Unit heaters
Plywood dryers

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Internals and float	Stainless Steel AISI 304
Connections	Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16 bar
Max. Operating Temperature (TMO) 250°C



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
25	1"

FLOAT TYPE AIR DRAINERS
HA-52/62

APPLICATION AREAS

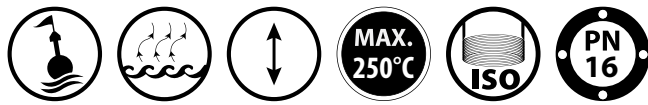
Hot and cold water pipelines
Water heaters and boilers
Textile industry
Unit heaters
Plywood dryers

PRODUCT FEATURES

Body and Cover	Ductile Iron GGG 40.3 (HA-52)
	Stainless Steel AISI 316 (HA-62)
Internals and float	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS
THREADED (inch)
3/4" x 1/2"

PRESSURE REDUCING VALVE
BDV-25

APPLICATION AREAS

High pressurized steam lines
Gas lines
Compressed air applications

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Shaft, Seat, Strainer	Stainless Steel AISI 304
Internals	Stainless Steel AISI 304
Connections	Threaded

OPERATING CONDITIONS

Max Inlet Pressure	19 bar
Max. Outlet Pressure	8.6 bar
Set Pressure	0,14-1,7 bar
	1,4-4,0 bar
	3,5-8,6 bar
Max. Operating Temperature	210°C



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DIMENSIONS
THREADED (inch)
1/2"
3/4"
1"

PILOT INFLUENCED PRESSURE REDUCERS

GP-2000

APPLICATION AREAS

Steam Applications
Food and Beverage Industry
Textile

PRODUCT FEATURES

Body Ductile Iron GGG 40.3
Main and Pilot Valve Seats, Diaphragm Stainless Steel
Connections Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 20 bar
Max. Operating Temperature (TMO) 220 °C
Field Settings (0,2-1,5 bar) / (1-14 bar)
Spring Colour Yellow (0,2-1,5 bar) / Green (1-14 bar)



DIMENSIONS	
Flanged (DN)	Threaded (inch)
15 ... 150	1/2" ... 2"

PRESSURE REDUCING VALVES

AGD-30

APPLICATION AREAS

Steam Applications
Food and Beverage Industry
Textile

PRODUCT FEATURES

Body Bronze Casting
Main Valve Seat Stainless Steel
Diaphragm Bronze
Connections Threaded

OPERATING CONDITIONS

Max Inlet Pressure 17 bar (PN20)
Max. Outlet Pressure 8,6 bar
Set Pressure B Type 0,5-4 bar
C Type 3,5-10 bar
Max. Operating Temperature 210 °C



DIMENSIONS
THREADED (inch)
1/2"
3/4"
1"
1 1/2"
2"

INVERTED BUCKET STEAM TRAPS

BT-16

APPLICATION AREAS

Steam Applications
Marine Industry
Petrol Tank Preheater

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Internals and Float	Stainless Steel
Connection Types	Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	220 °C
Max. Differential Pressure (ΔP)	5,4-8,5-15,5



DIMENSIONS	
Threaded (Inch)	
	1/2"
	3/4"
	1"

ACOP CONDENSATE PUMP SYSTEM

OPERATING CONDITIONS

Steam Pressure Range	2-10 bar
Air Pressure	4-6 bar
Power Supply	230 V AC 50 Hz
Design Pressure	11 bar
Design Temperature	187 °C
Evacuation Capacite in one time	25 lt
Steam Consumption	3 kg/1000 kg condensate



DISCHARGE CAPACITIES (kg/h)	
100i	550-775
200i	1150-1370
300i	2550-3400
400i	3460-4510
500i	4520-6620
600i	11070-16470

FLOAT TYPE LIQUID DRAINERS
SA-51 LIQUID ELIMINATOR

APPLICATION AREAS

- Compressor
- Heat exchangers
- Heating batteries and ovens
- Tanks and pans
- Drying cylinders

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Internals and float	Stainless Steel AISI 304
Connections	Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
15	1/2"
20	3/4"
25	1"

FLOAT TYPE LIQUID DRAINERS
SA-50 LIQUID ELIMINATOR

APPLICATION AREAS

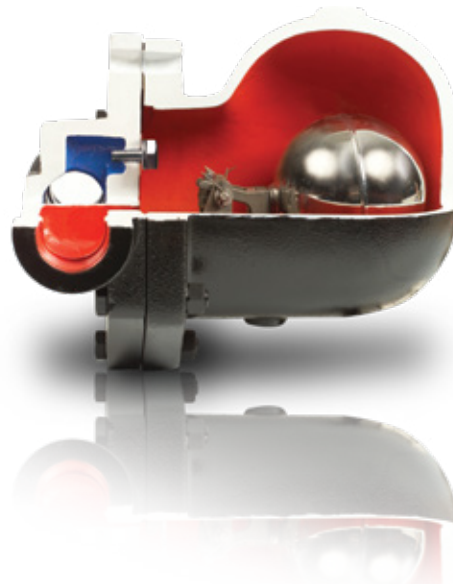
- Compressor
- Heat exchangers
- Heating batteries and ovens
- Tanks and pans
- Drying cylinders

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Cover	Ductile Iron GGG 40.3
Internals and float	Stainless Steel AISI 304
Connections	Flanged and Threaded

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	16 bar
Max. Operating Temperature (TMO)	250°C



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DIMENSIONS	
FLANGED (DN)	THREADED (inch)
25	1"
32	1 1/4"
40	1 1/2"
50	2"

STEAM SEPERATOR
SPR-16/25/40

APPLICATION AREAS

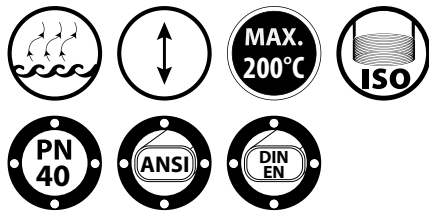
Steam lines
Gas applications

PRODUCT FEATURES

Body Carbon Steel / Stainless Steel (Optional)
Internals Stainless Steel AISI 304
Connections Flanged

OPERATING CONDITIONS

Max. Operating Pressure (PMO) 16/25/40 bar
Max. Operating Temperature (TMO) 200°C



DIMENSIONS		
PN	FLANGED (DN)	THREADED (inch)
16	15	1/2"
	20	
	25	
	32	
25	40	3/4"
	50	
	65	
	80	
40	100	1"
	125	
	150	
	200	



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CONDENSATE CONNECTION MANIFOLD
KT-13

APPLICATION AREAS

Steam lines
Steam distribution
Condensate collection

PRODUCT FEATURES

Body Carbon Steel C 22.8
Internals Stainless Steel
Volan Carbon Steel
Connections Threaded/Socket

OPERATING CONDITIONS

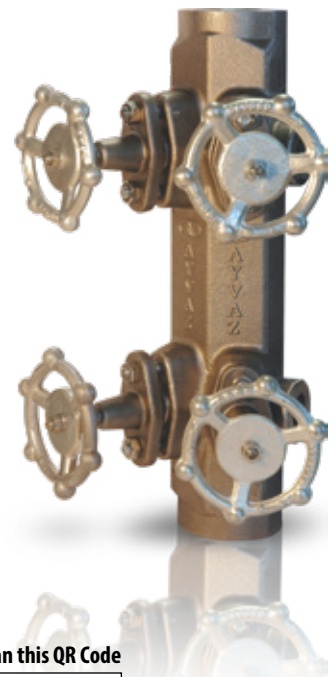
Max. Operating Pressure (PMO) 26 bar
Max. Operating Temperature (TMO) 250 °C
KV Valve 1.8 m³/s



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DIMENSIONS	
THREADED (mm)	
1/2"	
3/4"	



PIPELINE CONNECTORS

BK-33 (TD-SK)

APPLICATION AREAS

- Steam tracing lines
- Pressing units
- Steam jacket pipelines
- Irons
- Drying units

BK-33 TD (THERMODYNAMIC)

Body	Stainless Steel AISI 304
Seat and Disc	Stainless Steel AISI 420
Internals	Stainless Steel
Volan	Carbon Steel
Connections	Threaded/Socket

OPERATING CONDITIONS

- Max. Operating Pressure (PMO) 42 bar
- Max. Operating Temp. (TMO) 315°C



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DIMENSIONS
THREADED, SOCKET (inch)
1/2" 3/4"

BK-33 SK (FLOAT TYPE)

Body and Cover	Stainless Steel AISI 304
Internals and Float	Stainless Steel AISI 304
Thermostatic Unit	Stainless Steel AISI 304
Volan	Carbon Steel
Connections	Threaded/Socket

OPERATING CONDITIONS

- Max. Operating Pressure (PMO) 32 bar
- Max. Operating Temp. (TMO) 286°C
- Differential Pressure 4,5/10/14 bar



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DIMENSIONS
THREADED, SOCKET (inch)
1/2" 3/4"

PIPELINE CONNECTORS

BK-33 (TK-BM)

APPLICATION AREAS

- Steam tracing lines
- Pressing units
- Steam jacket pipelines
- Irons
- Drying units

BK-33 TK (THERMOSTATIC)

Body and Cover	Stainless Steel AISI 304
Capsule	Stainless Steel
Internals	Stainless Steel
Volan	Carbon Steel
Connections	Threaded/Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	32 bar
Max. Operating Temp. (TMO)	240°C
Differential Pressure	21 bar



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DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

BK-33 BM (BI-METALLIC)

Body	Stainless Steel AISI 304
Bi-metallic Plates	Stainless Steel AISI 304
Internals	Stainless Steel AISI 304
Volan	Carbon Steel
Connections	Threaded/Socket

OPERATING CONDITIONS

Max. Operating Pressure (PMO)	32 bar
Max. Operating Temp. (TMO)	315°C
Differential Pressure	32 bar



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DIMENSIONS
THREADED, SOCKET (inch)
1/2"
3/4"

KTV-10 STEAM TRAP TEST VALVE

APPLICATION AREAS

Food industry
 Chemical plants
 Heating air-conditioning systems
 Shipbuilding
 Paper mills

PRODUCT FEATURES

Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Threaded, Flanged	Threaded, Flanged
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temp.	-50/+210°C	-50/+210°C



DIMENSIONS	
FLANGED (DN)	THREADED (inch)
DN15	1/2"
DN20	3/4"
DN25	1"
DN32	1 1/4"
DN40	1 1/2"
DN50	2"

Scan this QR Code



PKV-50 PNEUMATIC CONTROL ON/OFF VALVE

APPLICATION AREAS

Food industry
 Chemical plants
 Pharmaceutical industry
 Paper mills

PRODUCT FEATURES

Body Material	Stainless Steel AISI 316
Gasket	PTFE
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temp.	180°C



DIMENSIONS	
THREADED (mm)	
1/2"	
3/4"	
1"	
1 1/4"	
1 1/2"	
2"	

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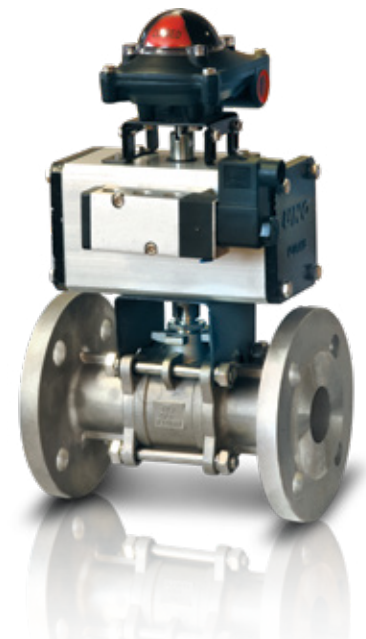
BLOWDOWN SYSTEMS

DBV-10 BOTTOM BLOWDOWN VALVE

APPLICATION AREAS
Steam boilers (Safety)

System Elements
3 Pieced Ball Valve (V-3FP)
Timer
Pnuematic Actuator
Selenoid Valve
Limit Switch

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FLANGED	
DIMENSIONS	DN40
	Please contact our sales team for customized dimensions.

PRODUCT FEATURES DBV-10

BALL VALVE		PNEUMATIC ACTUATOR	
Body Material	Stainless Steel AISI 304/316	Body Material	Epoxy Coated Aluminium Injection
Ball Material	Stainless Steel AISI 304/316	Pistons	Aluminium Cast
Stem	Stainless Steel AISI 304/316	Shaft Material	Cadmium Coated Steel
Body Gasket	PTFE	Tightness Component	Nitrile Rubber
Ball Seat	R-PTFE (15%)	Valve Connection	Standard
Nominal Pressure (PN)	40 bar		
Max. Operating Temp.	-50/+210°C		

BLOWDOWN SYSTEMS

YBS-10 SURFACE BLOWDOWN SYSTEM

APPLICATION AREAS
Steam boilers (Safety)

System Elements
DN20, PN 40 Forged Steel Bellow Sealed Stop Valve
DN20, PN 40 Stainless Steel Disc Check Valve
Conductivity Measuring Probe
Conductivity Transmitter (with LCD screen)
Digital Regulator
Surface Control Valve with Electric Motor
Anti corrosion Control Panel
Service Support Before Installation



FLANGED	
DIMENSIONS	DN20
	Please contact our sales team for customized dimensions.

Scan this QR Code



**FLASH STEAM RECOVERY SYSTEM
AFBT**

APPLICATION AREAS
Steam Applications

PRODUCT FEATURES
Body St 37 Carbon Steel

OPERATING CONDITIONS
Max. Operating Pressure (PMO) 13 bar
Max. Operating Temp. (TMO) 200 °C
Connection Flanges PN 16



STEAM CAPACITIES	
Type	Flash Steam (kg/h)
AFBT1	225
AFBT2	450
AFBT3	900
AFBT4	1.150
AFBT5	1.800
AFBT6	2.050
AFBT7	3.200
AFBT8	5.100



**COMPACT DEAERATOR HEAD & SYSTEM
ASD**

APPLICATION AREAS
Steam Applications

PRODUCT FEATURES
De-Aerator Cover Stainless Steel
Immersion Tube Stainless Steel

OPERATING CONDITIONS
Design Pressure 7 bar
Design Temperature 180 °C



CONDENSATE CAPACITIES	
Type	Condensate (kg/h)
ASD 150	5.000 kg/h
ASD 200	10.000 kg/h
ASD 250	20.000 kg/h
ASD 300	30.000 kg/h



**DE-SUPERHEATER
ADES-10**

APPLICATION AREAS
Steam boilers (Safety)

System Elements

Body A 116 gr B 7A335 P11
Nozzle Stainless Steel AISI 316
Pressure Class PN16 / PN160 - ANSI 150 / ANSI 2500



DIMENSIONS	
Line Type	DN
Water	DN15 ... DN50
Steam Immersion	DN100 ...DN250
Steam Line	DN150 ... DN500



**CONDENSATE POLLUTION CONTROL SYSTEM
KKS-10**

APPLICATION AREAS
Steam Applications

System Elements

- Stainless Disc Checkvalve
- Double Effective Pneumatic Actuated Stainless Ball Valve Normally Open
- Double Effective Pneumatic Actuated Stainless Ball Valve Normally Closed
- Conductivity Transmitter B&C Electronic C3600 4-20mA (110x90x60mm)
- Conductivity Sensor Sensorex CS675 HTTC 250 Psi 200C 1" Diving Length
Sensor Diameter 19mm Cable Side 3/4ADK-100 Controller
- Stainless Ball Valve Threaded 304 Quality



FLANGED	
DIMENSIONS	DN20
	Please contact our sales team for customized dimensions.

BS-10 VORTEX STEAM FLOW METER

PRODUCT FEATURES

Fluid	Steam, Water, Air
Sensitivity	+/- %1
Safety Class	IP 67
Connections	Immersion / Flanged

OPERATING CONDITIONS

Max. Working Pressure (PMO)	150 bar
Max. Working Temperature (TMO)	4-20 MA output and Alarm Setting Plus ve Hart Protocol
Power Supply	24V



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DIMENSIONS
FLANGED (mm)
50...300



THE WHITE BOOK



EXPANSION JOINTS
FLEXIBLE METAL HOSES
LEVEL CONTROLLERS
STEAM EQUIPMENT
VALVES



SYMBOLS FOR PRODUCT FEATURES AND QUICK SELECTION



Check Valve



Threaded Connection



Ball Valve



Flange Connections



Butterfly Valve



Max Product Temperature



Globe Valve



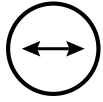
Max. Product Pressure



Gate Valve



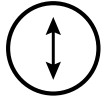
Suitable for hot water



Horizontal Installation



Suitable for drinking water



Vertical Installation



Suitable for Oil media



Installation in all directions



Suitable for Gaseous media



GLOBE VALVES GV-16, GV-25, GV-40

APPLICATION AREAS

Hot-cold water systems
 Steam-boiler systems
 Compressed air systems
 Chemical Fluids (Non-acidic and non-alkali fluids)
 Transfer oil, amoniac pipelines



DIMENSIONS	FLANGED (DN)
	DN15 all sizes are available in between DN400

		GV-16	GV-25	GV-40
FEATURES	Body	GG-25 Cast Iron	GGG 40.3 Ductile Iron	GSC-25 Cast Steel
	Seat	Stainless Steel AISI 304	Stainless Steel AISI 304	Stainless Steel AISI 304
	Disc	Stainless Steel AISI 304	Stainless Steel AISI 304	Stainless Steel AISI 304
	Connection	Flanged	Flanged	Flanged
	Max. Work. Temperature	200°C	250°C	300°C
	Max. Working Pressure	16 bar	25 bar	40 bar



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BELLOW VALVES MK-16, MK-25, MK-40

APPLICATION AREAS

Hot-cold water systems
 Steam-boiler systems
 Compressed air systems
 Chemical Fluids (Non-acidic and non-alkali fluids)
 Transfer oil, amoniac pipelines



		MK-16	MK-25	MK-40
FEATURES	Body	Grey Cast Iron EN-GJL-250	Nodular Cast Iron EN-GJS-400	Cast Steel
	Seat Ring	X12Cr13	X12Cr13	-
	Disc	X12Cr13	X12Cr13	X20Cr13 1.4021
	Bellow	X6CrNiMoTi-17-12-2	X6CrNiMoTi-17-12-2	X6CrNiTi-18-10
	Connection	Flanged	Flanged	Flanged
	Max. Temperature	300 °C	350 °C	400 °C
	Max. Pressure	16 bar	25 bar	40 bar
	Nominal Diameter	DN 15-250	DN 15-250	DN 15-250

GATE VALVES
GTK-16 NON-RISING STEM, SOFT SEATED GATE VALVE

APPLICATION AREAS

Chemical applications
Petrochemical plants
Oil refineries
Power plants
Hot and cold water applications

PRODUCT FEATURES

Body	Ductile Iron GGG 40.3
Disc	Rubber Coated Cast Iron
Gasket	NBR/EPDM
Connection	Flanged
Max. Operating Temp.	110°C
Max Operating Pressure	2,5/6/10/16 bar



DIMENSIONS	FLANGED (DN)
	DN40 all sizes are available in between DN1200

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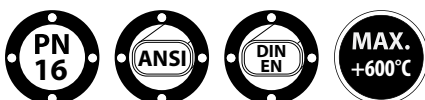
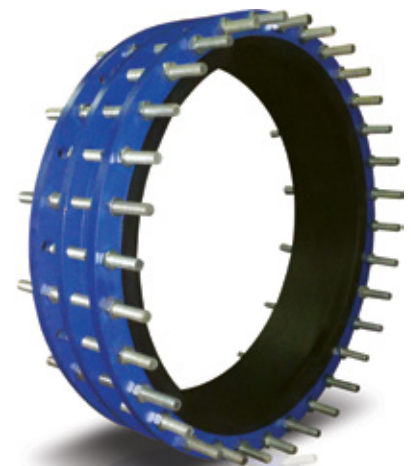
DISMANTLING JOINT

APPLICATION AREAS

Servicing the expansion joints in pipelines
Continue the flow in required direction
Pumps, motors, machines, compressors
Industrial pipeline construction
Gas and water supply

DISMANTLING JOINT

Body Material	Cast Iron GGG 40 & GGG 50
Nominal Diameter	DN100 (4") - DN2200 (88")
Operating Pressure	16 bar
Operating Temperature	-80°C/+600°C
Connection Types	Fixed Flanged
Bolts and Nuts	Stainless Steel x Cr13



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CHECK VALVES

CV-10 WAFER TYPE DISCO CHECK VALVES

APPLICATION AREAS

Heating, air cooling pipelines
 Wood-working, pulp and paper industry
 Iron and steel industry
 Textile Industry
 Ship building



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	PRODUCT FEATURES		
	CV-10P	CV-10S1	CV-10S2
Body Material	Brass Ms58	Stainless Steel AISI 304	Stainless Steel AISI 316
Disc Material	Stainless Steel AISI 316	Stainless Steel AISI 316	Stainless Steel AISI 316
Centering Hoop	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
Spring Material	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
O-ring	-	-	-
Connection Type	Wafer Type	Wafer Type	Wafer Type
Nominal Pressure (PN)	16 bar	40 bar	40 bar
Min. Allowable Temperature	-10°C	-10°C	-10°C
Max. Operating Temperature	250°C	300°C	300°C

Product Dimensions and Opening Pressures (m bar)				
DN mm	No Spring		With Spring	
	↑	↑	→	↓
15	2,5	25	22,5	20
20	2,5	25	22,5	20
25	2,5	25	22,5	20
32	3,5	27	23,5	20
40	4	28	24	20
50	4,5	29	24,5	20
65	5	30	25	20
80	5,5	31	25,5	20
100	6,5	33	26,5	20

* Only CV-10S2 type checkvalve is suitable for drinking water applications

CHECK VALVES
CV-11 WAFER TYPE DISCO CHECK VALVES

APPLICATION AREAS

Heating, air cooling pipelines
Wood-working, pulp and paper industry
Iron and steel industry
Textile Industry
Ship building



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	PRODUCT FEATURES		
	CV-11	CV-11S1	CV-11S2
Body Material	Cast Iron GG25	Stainless Steel AISI 304	Stainless Steel AISI 316
Disc Material	Cast Iron GG25	Stainless Steel AISI 304	Stainless Steel AISI 316
Centering Part	Stainless Steel AISI 316	Stainless Steel AISI 304	Stainless Steel AISI 316
Spring Material	Stainless Steel AISI 302	Stainless Steel AISI 302	Stainless Steel AISI 302
O-ring	EPDM	-	-
Connection Type	Wafer Type	Wafer Type	Wafer Type
Nominal Pressure (PN)	16 bar	40 bar	40 bar
Min. Allowable Temp	-10°C	-10°C	-10°C
Max. Operating Temperature	100°C	300°C	300°C

CV-11 Product Dimensions and Opening Pressures (m bar)				
DN mm	No Spring	With Spring		
	↑	↑	→	↓
125	10,5	31	20,5	10
150	11,5	33	21,5	10
200	11,2	32,4	21,2	10

CV-11 S1-S2 Product Dimensions and Opening Pressures (m bar)				
DN mm	No Spring	With Spring		
	↑	↑	→	↓
125	12	34	22	10
150	13,5	37	23,5	10
200	16	42	26	10
250	15,3	46,9	31,5	16

* Only CV-11S2 type checkvalve is suitable for drinking water applications

CHECK VALVES CV-20/25 DOUBLE PLATE CHECK VALVES

APPLICATION AREAS

HVAC systems
Plumbing/sanitary services
Fire protection lines
Irrigation systems
Marine mechanical and cooling systems

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		CV-20	CV-25
PRODUCT FEATURES	Body Material	Cast Iron GG25	Cast Iron GG25
	Disc Material	Stainless Steel AISI 316	Ductile Iron GGG 40.3
	Resilient Seat	EPDM	EPDM
	Spring Material	Stainless Steel AISI 304	Stainless Steel AISI 304
	Disc Bearing	Teflon	Teflon
	Connection Type	Wafer Type	Wafer Type
	Nominal Pressure (PN)	10/16 bar	10/16 bar
	Min.Allowable Temp	-10°C	-10°C
	Max. Operating Temperature	110°C	110°C

		FLANGED (DN)	PN
DIMENSIONS CV-20/25	DN50 all sizes available in between DN300		16
	DN350 all sizes available in between DN600		10

CHECK VALVES CV-30/35 WAFER TYPE SWING CHECK VALVES

APPLICATION AREAS

Water supply and distribution lines
Paper mills and plant processes
Shipbuildings
Industrial applications
Marine mechanical and cooling systems

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		CV-30	CV-35
PRODUCT FEATURES CV-30/35	Body Material	Stainless Steel AISI 316	Ni Coated Carbon Steel
	Disc Material	Stainless Steel AISI 316	Ni Coated Carbon Steel
	Disc Bearing	Ni Coated Carbon Steel	Ni Coated Carbon Steel
	Eye Bolt	Stainless Steel AISI 316	Ni Coated Carbon Steel
	O-ring	EPDM	EPDM
	Connection Type	Flanged	Flanged
	Nominal Pressure (PN)	16 bar	16 bar
	Min.Allowable Temp	-10°C	-10°C
	Max. Operating Temperature	110°C	110°C



		FLANGED (DN)
DIMENSIONS	DN32 all sizes available in between DN300	

CHECK VALVES
CLV-50 LIFT TYPE CHECK VALVES

APPLICATION AREAS
Steam lines, boiler applications
Hot and cold water applications
Non-acidic liquids
Chemical Liquids
Compressed air



PRODUCT FEATURES		
Body Material	GG-25 Cast Iron	
Cover	GG-25 Cast Iron	
Disc Material	Stainless Steel AISI 304	
Spring Material	Stainless Steel AISI 304	
Gasket	CrNi laminated pure graphite	
Connection Type	Flanged	
Nominal Pressure (PN)	16 bar	9,6 bar
Max. Operating Temperature	100°C	300°C



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DIMENSIONS	FLANGED (DN)
	DN15 all sizes available in between DN300

CHECK VALVES
SC-200 SWING TYPE CHECK VALVE

APPLICATION AREAS
Water and condensate lines
Heating, air-conditioning systems
Waterworks
Plant processes
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Disc Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Pipe Plug	Stainless Steel AISI 304	Stainless Steel AISI 316
Picking Material	PTFE	PTFE
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	16 bar	16 bar
Max. Operating Temperature	180°C	180°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

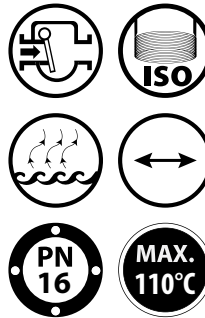
CHECK VALVES

SC-400 SWING TYPE CHECK VALVE

APPLICATION AREAS

Heating, air-conditioning systems
Waterworks
Air pipelines
Natural gas pipelines
Paper mills

PRODUCT FEATURES	
Body Material	Brass Ms58
Bonnet	Brass Ms58
Baffle	Brass Ms58
Spring	Stainless Steel
Washer	ABS/NBR
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	110°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

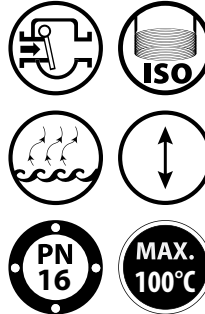
CHECK VALVE

SC-600 SWING TYPE CHECK VALVE

APPLICATION AREAS

Heating, air-conditioning systems
Waterworks
Air pipelines
Natural gas pipelines
Paper mills

PRODUCT FEATURES	
Body Material	Brass Ms58
Bonnet	Brass Ms58
Spring	Stainless Steel
Washer	ABS/NBR
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	100°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

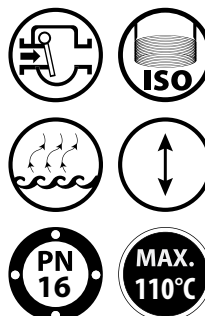
CHECK VALVES

FOOT VALVE

APPLICATION AREAS

Can be used for installation on pumps, wells and autoclaves.
Suitable for vertical applications only.
Allows only upward flow in the pipelines.
Prevents possible back flow in the applications.

PRODUCT FEATURES	
Body Material	Brass-CW617N UNI EN 12165
Seat	Brass-CW617N UNI EN 12165
Disc Holder	Hostaform Pom-DIN5735
Spring	Stainless Steel-UNI 10270-1
Disc	Nylon+NBR
Filter	Filter Stainless Steel
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Oper. Temp.	110°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BALL VALVES
V-2T STAINLESS STEEL BALL VALVE

APPLICATION AREAS

Food industry
Chemical plants
Heating, air-conditioning systems
Shipbuilding
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	63 bar	63 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 4"

BALL VALVES
V-3T STAINLESS STEEL BALL VALVE

APPLICATION AREAS

Food industry
Chemical plants
Heating, air-conditioning systems
Shipbuilding
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

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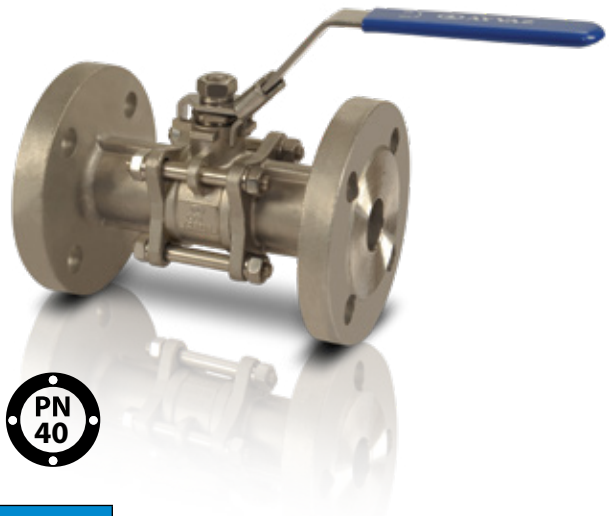
DIMENSIONS	Threaded (inch)
	1/4" all sizes available in between 4"

BALL VALVES

V-3F STAINLESS STEEL BALL VALVE

APPLICATION AREAS

Food industry
Chemical plants
Heating, air-conditioning systems
Shipbuilding
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Flanged	Flanged
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

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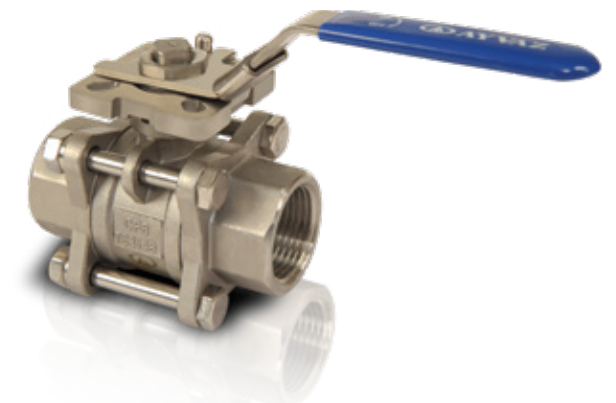
DIMENSIONS	Flanged (DN)
	DN15 all sizes available in between DN100

BALL VALVES

V-3TP BALL VALVE WITH MOUNTING PAD

APPLICATION AREAS

Food industry
Chemical plants
Heating, air-conditioning systems
Shipbuilding
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

Scan this QR Code



DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 4"

BALL VALVES
V-3FP BALL VALVE WITH MOUNTING PAD

APPLICATION AREAS

Food industry
Chemical plants
Heating, air-conditioning systems
Shipbuilding
Paper mills



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Ball Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Body Gasket	PTFE	PTFE
Ball Seat	R-PTFE (15%)	R-PTFE (15%)
Connection Type	Flanged	Flanged
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C

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DIMENSIONS	Flanged (DN)
	DN15 all sizes available in between DN100

BALL VALVES
DK-107 BRASS VALVE FOR NATURAL GAS

APPLICATION AREAS

Natural gas applications
LNG and LPG lines
Fuel-oil lines
Water distribution
Air pipelines



PRODUCT FEATURES	
Body Material	Brass Ms58
Ball Material	Ni Coated Brass
Gasket	PTFE
Hand Lever	St 37
Connection Type	Threaded
Nominal Pressure(PN)	16 bar
Max. Operating Temperature	110°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BALL VALVES
SK-120 BRASS VALVE FOR WATER

APPLICATION AREAS

Water supply and distribution
Heating, air-conditioning systems
Food industry chemical industry
Shipbuilding
Paper mills



PRODUCT FEATURES	
Body Material	Brass Ms58
Ball Material	Ni Coated Brass
Gasket	EPDM
Hand Lever	St 37
Connection Type	Threaded
Nominal Pressure(PN)	16 bar
Max. Operating Temperature	120°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BALL VALVES
MBK-50 MONOBLOCK VALVE FOR NATURAL GAS

APPLICATION AREAS

Natural gas supply and distribution lines
LPG-LNG lines
Fuel-oil pipelines
Heating, air-conditioning systems
Food industry chemical industry



PRODUCT FEATURES	
Body Material	Carbon Steel
Ball Material	Stainless Steel AISI 304
Ball Seat	PTFE
Gasket	NBR
Connection Type	Flanged
Nominal Pressure (PN)	40 bar
Max. Operating Temperature	-40/+60°C



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DIMENSIONS	FLANGED (DN)
	DN15 all sizes available in between DN100

BALL VALVES
MBK-40 MONOBLOCK VALVE WATER

APPLICATION AREAS

Water supply and distribution lines
Hot an cold water applications
Food industry chemical industry
Shipbuilding
Paper mills



PRODUCT FEATURES	
Body Material	Carbon Steel
Ball Material	Stainless Steel AISI 304
Ball Seat	PTFE
Gasket	EPDM
Connection Type	Flanged
Nominal Pressure (PN)	40 bar
Max. Operating Temperature	-40/+110°C



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DIMENSIONS	FLANGED (DN)
	DN15 all sizes available in between DN100

BALL VALVES

MBK-45 MONOBLOCK VALVE FOR LIQUIDS

APPLICATION AREAS

Water supply and distribution lines
 Heating, air-conditioning systems
 Food industry chemical industry
 Shipbuilding
 Paper mills



PRODUCT FEATURES	
Body Material	Carbon Steel
Ball Material	Stainless Steel AISI 304
Ball Seat	PTFE
Gasket	EPDM
Connection Type	Flanged
Nominal Pressure (PN)	40 bar
Max. Operating Temperature	-40/+110°C

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DIMENSIONS	FLANGED (DN)
	DN15 all sizes available in between DN100

BALL VALVES

TGV-10 FULL BORE BALL VALVE

APPLICATION AREAS

Hot and cold water supply and distribution lines
 Non-acidic and non alkaline liquid pipelines
 Non-flammable liquid pipelines
 Shipbuilding
 Paper mills



PRODUCT FEATURES	
Body and Cover Material	Cast Iron GG-25
Ball Material	Stainless Steel AISI 304
Ball Seat	R-PTFE (15%)
Gasket	PTFE
Connection Type	Flanged
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	120°C

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DIMENSIONS	FLANGED (DN)
	DN15 all sizes available in between DN200

BALL VALVES

TGV-20 FULL BORE BALL VALVE

APPLICATION AREAS

Hot and cold water supply and distribution lines
 Non-acidic and non alkaline liquid pipelines
 Non-flammable liquid pipelines
 Shipbuilding
 Paper mills



PRODUCT FEATURES	
Body and Cover Material	Cast Iron GG-25
Ball Material	Stainless Steel AISI 304
Ball Seat	R-PTFE (15%)
Gasket	PTFE
Connection Type	Flanged
Nominal Pressure (PN)	6/10/16 bar
Max. Operating Temperature	120°C



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FLANGED (DN)	
DIMENSIONS	DN40 all sizes available in between DN200
	DN125 and above diameters come with gear box

BALL VALVES

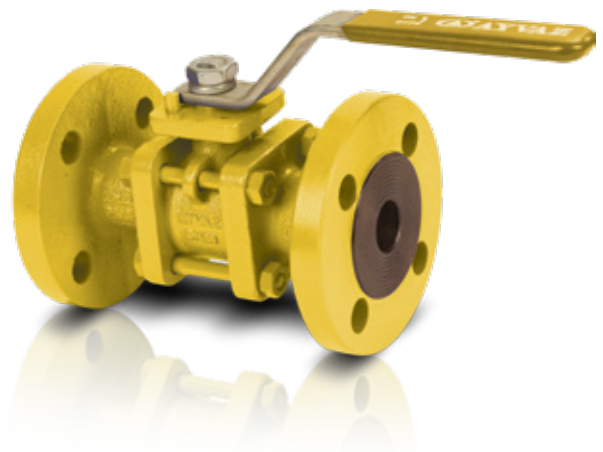
TGV-30 3-PARTIAL BALL VALVE FOR COMBUSTION GAS

APPLICATION AREAS

Natural gas supply and distribution lines
 LPG-LNG lines
 Fuel-oil pipelines
 Heating, air-conditioning systems
 Food industry chemical industry



PRODUCT FEATURES	
Body and Cover Material	Ductile Iron GGG 40.3
Ball Material	Stainless Steel AISI 304
Ball Seat	R-PTFE (15%)
Gasket	PTFE
Connection Type	Flanged
Nominal Pressure (PN)	40 bar
Max. Operating Temperature	200°C



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FLANGED (DN)	
DIMENSIONS	DN40 all sizes available in between DN125

BUTTERFLY VALVES
KV-3 WAFER TYPE BUTTERFLY VALVE
APPLICATION AREAS

Heating, ventilating and air conditioning systems
 Water treatment and distributing systems
 Mining industry
 Sugar industry, food and chemistry industries
 Oil and gas process



PRODUCT FEATURES	
Body Material	Cast Iron GG-25
Liner Material	EPDM
Disc Material	Stainless Steel AISI 316
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Wafer Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	110°C

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DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES
KV-4 LUG TYPE BUTTERFLY VALVE
APPLICATION AREAS

Heating, air-conditioning systems
 Water purification system
 Mining industry
 Shipbuilding
 Chemical industry



PRODUCT FEATURES	
Body Material	Cast Iron GG-25
Liner Material	EPDM
Disc Material	Stainless Steel AISI 316
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Lug Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	110°C

Scan this QR Code



DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES
KV-7 WAFER TYPE BUTTERFLY VALVE

APPLICATION AREAS

Heating, ventilating and air conditioning systems
Water treatment and distributing systems
Chemical and petrochemical plants
Sugar industry, food and chemistry industries
Oil and gas process



PRODUCT FEATURES	
Body Material	Cast Iron GG-25
Liner Material	EPDM
Disc Material	Ni Coated Ductile Iron GGG 40.3
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Wafer Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	110°C

Scan this QR Code



DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES
KV-8 LUG TYPE BUTTERFLY VALVE

APPLICATION AREAS

Heating, air-conditioning systems
Water purification system
Mining industry
Shipbuilding
Chemical industry



PRODUCT FEATURES	
Body Material	Cast Iron GG-25
Liner Material	EPDM
Disc Material	Ni Coated Ductile Iron GGG 40.3
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Lug Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	110°C

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DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES

KV-9 WAFER TYPE BUTTERFLY VALVE FOR NATURAL GAS

APPLICATION AREAS

Natural gas supply and distribution lines
 LPG-LNG lines
 Fuel-oil pipelines
 Heating, air-conditioning systems
 Chemical and petrochemical plants



PRODUCT FEATURES	
Body Material	Ductile Iron GGG 40.3
Liner Material	NBR
Disc Material	Ni Coated Ductile Iron GGG 40.3
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Wafer Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	80°C

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DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES

KV-10 LUG TYPE BUTTERFLY VALVE FOR NATURAL GAS

APPLICATION AREAS

Natural gas supply and distribution lines
 LPG-LNG lines
 Fuel-oil pipelines
 Heating, air-conditioning systems
 Chemical and petrochemical plants



PRODUCT FEATURES	
Body Material	Ductile Iron GGG 40.3
Liner Material	NBR
Disc Material	Ni Coated Ductile Iron GGG 40.3
Shaft Material	Stainless Steel AISI 416
Connection Type	Flanged (Lug Type)
Nominal Pressure (PN)	10/16 bar
Max. Operating Temperature	80°C

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DIMENSIONS	DN	PN
	DN25 all sizes available in between DN300	16
DN350 all sizes available in between DN600	10 come with worm gear	

* Please contact our sales team for bigger sizes.

BUTTERFLY VALVES ACCESSORIES
WORM GEAR

USING CONDITIONS

DN150-300 as dimensional reductor
Must be used above DN350

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PRODUCT FEATURES	
Body Material	Epoxy coated Ductile Iron GGG 40.3
Diameters	DN40-600
Connection Type	Threaded ISO 5211
Max. Operating Temperature	-20/+70°C

BUTTERFLY VALVES ACCESSORIES
DOUBLE ACTING PNEUMATIC ACTUATOR

USING CONDITIONS

DN15-100 for Ball Valves
DN25-300 for Butterfly Valves

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PRODUCT FEATURES	
Body Material	Epoxy Coated Aluminium Injection
Pistons	Aluminium Cast
Shaft Material	Cadmium Coated Steel
Tightness Component	Nitrile Rubber
Valve Connection	Standard
Connection Type	Threaded ISO 5211
Max. Operating Temperature	-20/+80°C

BUTTERFLY VALVES ACCESSORIES
ELECTRIC ACTUATORS

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	PRODUCT FEATURES		
	UMA 3.5	UMC 10	ALUMINIUM TYPE
Body	Plastic AA 66	Plastic AA 66	Aluminium
Cover	Plastic AA 66	Plastic AA 66	Steel
Axis	Chrome Steel	Chrome Steel	Bronze Alloy
Connection	Threaded	Threaded	Threaded
Nominal Diameters	DN40-600	DN40-600	DN40-600
Max. Operating Temp.	-20/+70°C	-20/+70°C	-20/+70°C



STRAINERS
PTY-20

APPLICATION AREAS

Steam lines
Hot and cold water distribution lines
Compressed air pipelines
Gas, oil pipelines
Chemical fluids distribution lines



PRODUCT FEATURES		
Body Material	Cast Iron GG-25	
Gasket	PTFE	
Strainer	Stainless Steel AISI 304	
Filter	Stainless Steel AISI 304	
Connection Type	Flanged	
Nominal Pressure (PN)	16 bar	10 bar
Max. Operating Temperature	120°C	300°C



DIMENS all sizes available in between DN400

STRAINERS
YS-600 FOR LIQUIDS

APPLICATION AREAS

Heating-cooling lines
Food industry
Chemical industry
Shipbuilding
Paper mills



PRODUCT FEATURES	
Body Material	Brass Ms58
Cover	Brass Ms58
Gasket	Klingerit
Filter	Stainless Steel AISI 304
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	110°C



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DIMENSIONS Threaded (inch)
1/2"
all sizes available in between 2"

STRAINERS
YS-700 FOR NATURAL GAS

APPLICATION AREAS

Natural gas supply and distribution lines
LPG-LNG lines
Fuel-oil pipelines
Heating, air-conditioning systems
Chemical and petrochemical plants



PRODUCT FEATURES	
Body Material	Forged Brass
Cover	Brass Ms58
Washer	Steeling Paper
Filter	Stainless Steel AISI 304
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	60°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

STRAINERS
YS-800 FOR LIQUIDS

APPLICATION AREAS

Steam, water, hot water
Compressed air
LPG
Oil and gases
Chemical liquids



PRODUCT FEATURES		
Body Material	Stainless Steel AISI 304	Stainless Steel AISI 316
Screen	Stainless Steel AISI 304	Stainless Steel AISI 316
Cap	Stainless Steel AISI 304	Stainless Steel AISI 316
Gasket	PTFE	PTFE
Connection Type	Threaded	Threaded
Nominal Pressure (PN)	40 bar	40 bar
Max. Operating Temperature	-25/+180°C	-25/+180°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BALANCE VALVES
DBV-30 DYNAMIC BALANCE VALVE

APPLICATION AREAS
Heating-cooling lines
Industrial plumbing
Plumbing
Air conditioning plumbing
Hot and cold water pipelines



PRODUCT FEATURES	
Body Material	Brass Ms58
Disc	Stainless Steel
Diaphragm	EPDM
Connection Type	Threaded
Nominal Pressure (PN)	16 bar
Max. Operating Temperature	120°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

VALVE JACKETS
AEROGEL ISOLATION

APPLICATION AREAS
Hot water and steam lines
Oil and gas processing industry
Refineries and gas processing plants
LNG, LPG, ethylene
Petro-chemical plants

VALVE TYPES
Gate Valves
Butterfly Valves
Ball Valves
Globe Valves
Strainers



PRODUCT FEATURES	
Fabric Material	Glass Fiber / Silicone Fiber
Sewing Thread	Glass Fiber
Flange Ropes	Glass Fiber
Insulation Material	Pyrogel XT/XTF (0.021 W/mK) Cryogel X201 (0.015 W/mK)
Insulation Thickness	5mm-10mm (Optional)
Max. Operating Temp.	650 °C (Pyrogel XT/XTF)
Min. Operating Temp.	-200 °C (Cryogel X201)



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BALANCE VALVES
STATIC BALANCE VALVE

APPLICATION AREAS

Heating-cooling lines
Industrial plumbing
Mechanical building installations
Air conditioning plumbing
Hot and cold water pipelines



PRODUCT FEATURES	
Body	Bronze
Cover	Brass
Disc	Brass
Disc Gasket	PTFE
Shaft	Brass
Gasket	EPDM
Connection Type	Threaded
Nominal Pressure (PN)	25 bar
Max. Operating Temperature	+120°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BALANCE VALVES
STATIC BALANCE VALVE

APPLICATION AREAS

Heating-cooling lines
Industrial plumbing
Mechanical building installations
Air conditioning plumbing
Hot and cold water pipelines



PRODUCT FEATURES	
Body and Cover	GG-25 Ductile Iron
Disc Cover	GG-25 Ductile Iron
Shaft	Brass
Gasket	EPDM
Connection Type	Flanged
Nominal Pressure (PN)	25 bar
Max. Operating Temperature	+120°C



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DIMENSIONS	FLANGED (DN)
	DN65 all sizes available in between DN300

MANOMETER VALVES

APPLICATION AREAS

Chemical and petrochemical industries
Energy plants
Recycling plants
Steel production industry
Fuel and oil plants



DIMENSIONS	Threaded (inch)
	1/2"

MV-330 MANOMETER VALVE

PRODUCT FEATURES	
Body and Cover	Brass
Shaft	Stainless Steel 1.4104
Valve	Stainless Steel 1.4104
Seat	Stainless Steel 1.4104
Connection Type	Threaded
Nominal Pressure (PN)	25 bar
Max. Operating Temperature	200°C

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MV-416 MANOMETER VALVE

PRODUCT FEATURES	
Body and Cover	Brass
Shaft	Stainless Steel 1.4104
Valve	Stainless Steel 1.4104
Seat	Stainless Steel 1.4104
Connection Type	Threaded
Nominal Pressure (PN)	25 bar
Max. Operating Temperature	200°C

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MV-417 MANOMETER VALVE

PRODUCT FEATURES	
Body and Cover	Brass
Shaft	Stainless Steel 1.4104
Valve and seat	Stainless Steel 1.4104
Sealing	PTFE
Connection Type	Threaded
Nominal Pressure (PN)	25 bar
Max. Operating Temperature	200°C

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BRASS VALVES
SV-254 BRASS SAFETY VALVE

APPLICATION AREAS

Energy generation
Refineries
Petrochemical industry
Chemical industry
Food industry



PRODUCT FEATURES	
Body	Brass
Seat	EPDM
Connection Type	Threaded
Adjustable Pressure	1-10 bar
Max. Operating Pressure	16 bar
Max. Operating Temperature	130°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BRASS VALVES
PRESSURE REDUCING VALVE

APPLICATION AREAS

Energy generation
Refineries
Petrochemical industry
Chemical industry
Food industry



PRODUCT FEATURES	
Body	Ni Coated Brass
Gasket	EPDM
Connection Type	Threaded
Adjustable Pressure	0-6 bar
Nominal Pressure	16 bar
Max. Operating Temperature	90°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

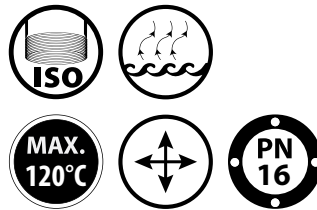
* Available with or without manometer.

BRASS VALVES
GATE VALVE

APPLICATION AREAS

Shipbuilding
Heating-cooling lines
Air conditioning plumbing
Food industry
Water purification system

PRODUCT FEATURES	
Body	Ni Coated Brass
Seat	EPDM
Connection Type	Threaded
Max. Operating Pressure	16 bar
Max. Operating Temperature	120°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"



STAINLESS STEEL SAFETY VALVES
L9-LS

PRODUCT FEATURES

Body	Stainless Steel CF8
Seat	Stainless Steel 304 or CF8
Disc	Stainless Steel 304 or CF8
Spring	Stainless Steel 304
Sleeve	Stainless Steel 304
Operating Pressure	0,3-2 kgf/cm ² - 2,1-10 kgf/cm ²
	11-20 kgf/cm ²
Operating Temperature	- 196 °C / 290 °C



PRODUCT FEATURES	
Body	Ni Coated Brass
Gasket	EPDM
Connection Type	Threaded
Adjustable Pressure	0-6 bar
Nominal Pressure	16 bar
Max. Operating Temperature	90°C

* Available with or without manometer.

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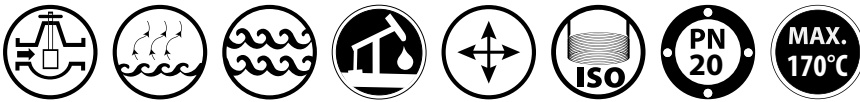
DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"



BRONZE VALVES
BRONZE GATE VALVE (NON-RISING STEM)

APPLICATION AREAS

Sea water connections
Heating air-conditioning systems
Waterworks
Air pipelines
Oil applications



PRODUCT FEATURES	
Body	Bronze CC491K
Bonnet	Bronze CC491K
Stem	DZR Brass CW602N
Packing Nut	Brass CW617N
Packing	P.T.F.E
Stem Bush	DZR Brass CW602N
Disc	Bronze CC491K
Connection Type	Threaded
Nominal Pressure (PN)	20 bar
Max. Operating Temperature	170°C



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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 4"

BRONZE VALVES
BRONZE GATE VALVE (RISING STEM)

APPLICATION AREAS

Sea water connections
Heating air-conditioning systems
Waterworks
Air pipelines
Oil applications



PRODUCT FEATURES	
Body	Bronze CC491K
Bonnet	Bronze CC491K
Stem	DZR Brass CW602N
Packing Nut	Brass CW614N
Packing	P.T.F.E
Clamping Ring	Brass CW614N
Disc	Bronze CC491K
Connection Type	Threaded
Nominal Pressure (PN)	20 bar
Max. Operating Temperature	170°C



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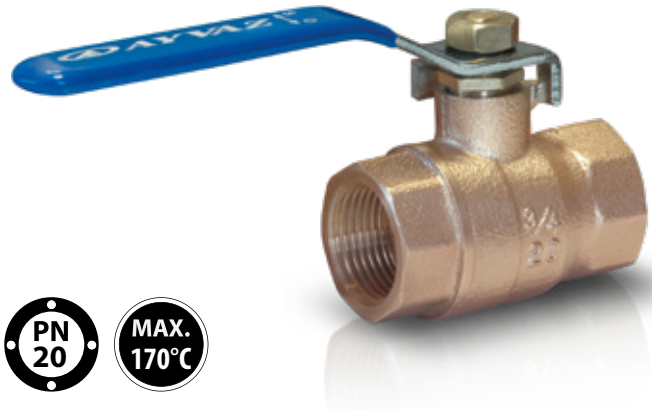


DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 4"

BRONZE VALVES
BRONZE BALL VALVE

APPLICATION AREAS

Sea water connections
Heating air-conditioning systems
Waterworks
Air pipelines
Oil applications



PRODUCT FEATURES	
Body	Bronze CC491K
Seat Retainer	Bronze CC491K
Ball	Brass CW617N
Seat	P.T.F.E
Stem	DZR Brass CW602N
Packing	P.T.F.E
Gland Nut	Brass CW617N
Connection Type	Threaded
Nominal Pressure (PN)	20 bar
Max. Operating Temperature	170°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"

BRONZE VALVES
BRONZE CHECK VALVE

APPLICATION AREAS

Sea water connections
Heating air-conditioning systems
Waterworks
Air pipelines
Oil applications



PRODUCT FEATURES	
Body	Bronze CC491K
Cap	Bronze CC491K
Disc	Bronze CC491K
Hinge	Brass CW617N
Hinge Pin	Stainless Steel 2Cr13
Hinge Nut	Brass CW617N
Connection Type	Threaded
Nominal Pressure (PN)	20 bar
Max. Operating Temperature	170°C

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DIMENSIONS	Threaded (inch)
	1/2" all sizes available in between 2"



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