

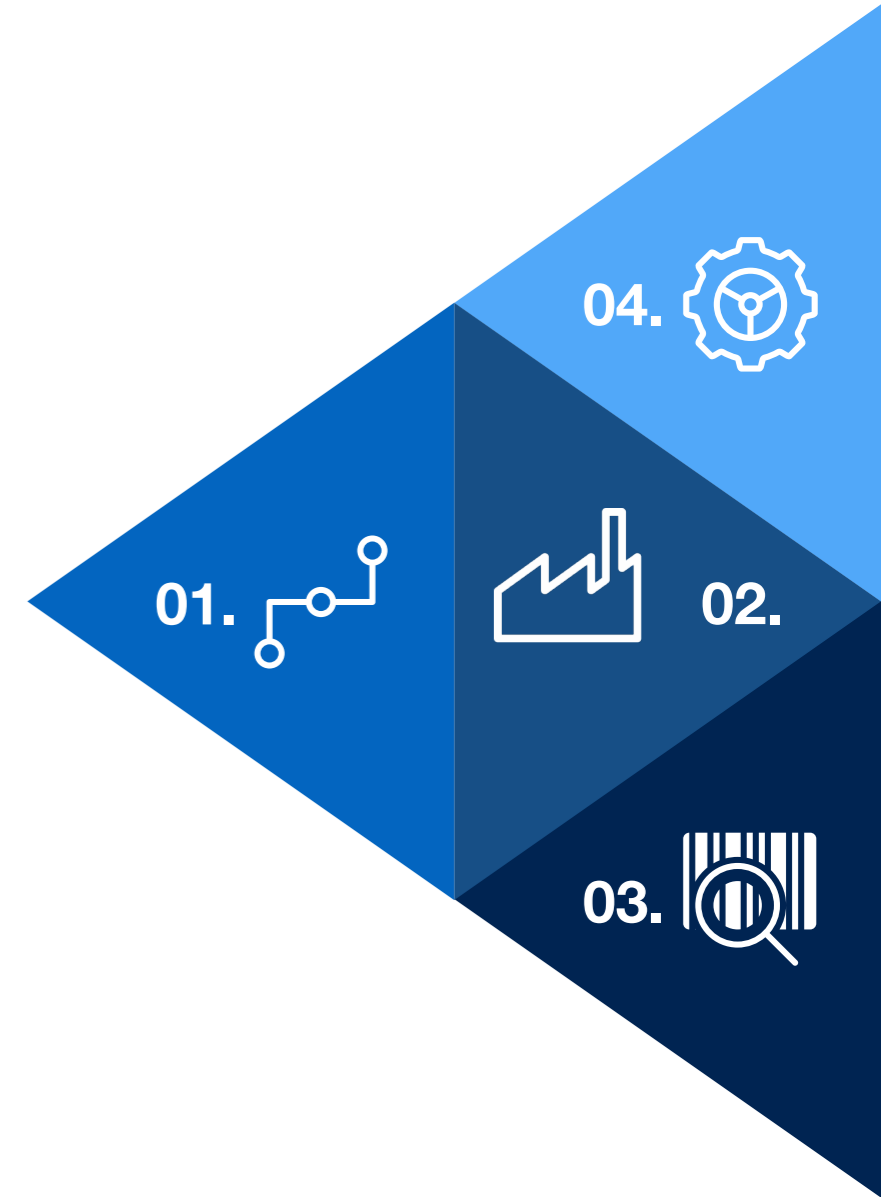
Discovering Termovent SC

Company Portrait & Production Range



Let Us Introduce Termovent SC

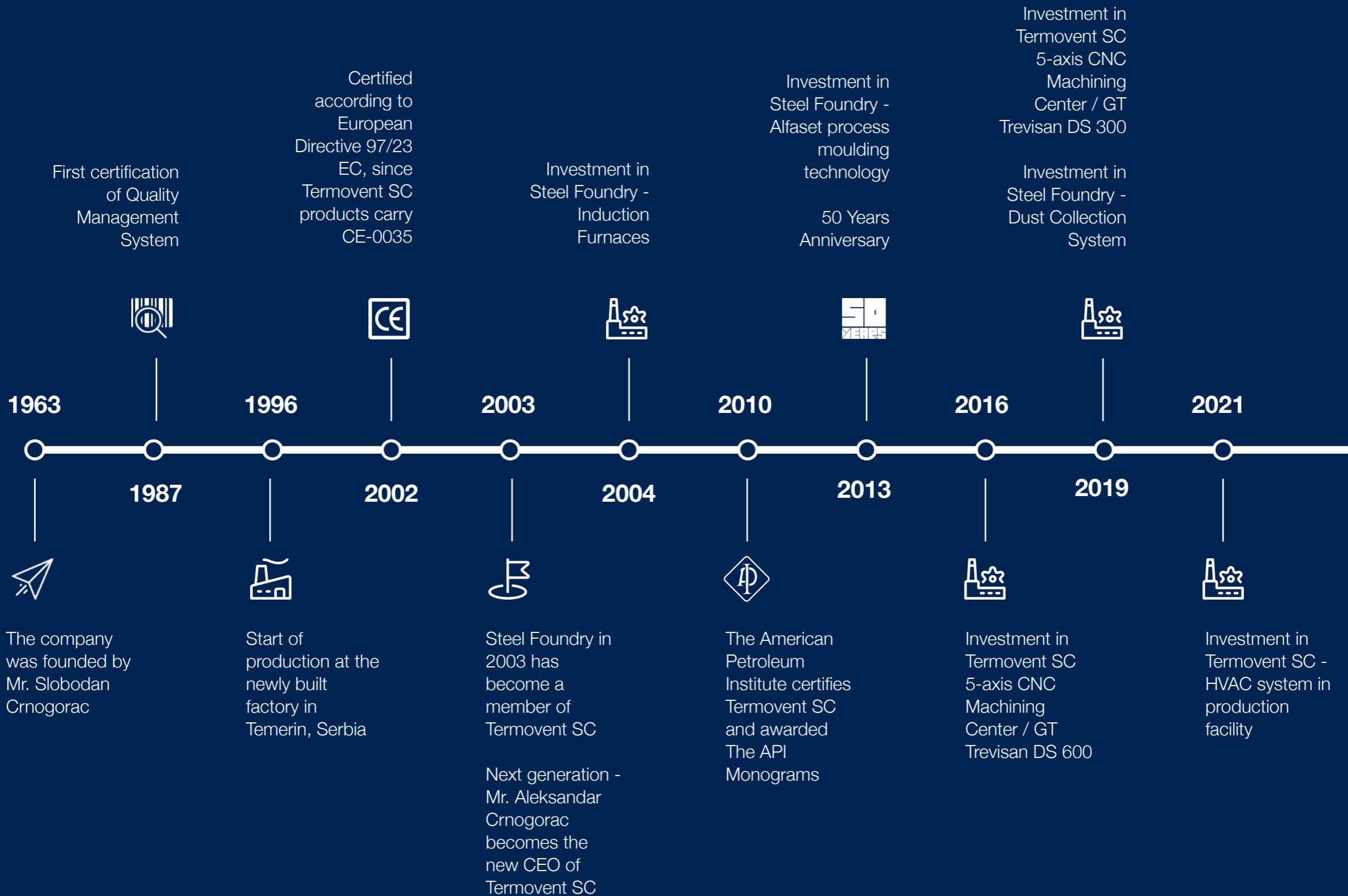
- 01. History**
- 02. Potential**
- 03. Program**
- 04. Achievements**





We are TERMOVENT SC Company, a regional leader in production of industrial valves for process industry and thermo energetics.

We remained until today a company in private ownership and management structure, as for the past 60 years of presence.





All of the product components are manufactured in Temerin Serbia, at our own manufacturing plant.

The casting product components are made in our own TERMOVENT SC Steel Foundry in Backa Topola, Serbia.

Thus we can guarantee high quality of TERMOVENT SC valves.



Valve Plant

TERMOVENT SC Temerin, production site with a comprehensive infrastructure, all necessary equipment for long-range future activities and with modern work environment, in which the production started in 1996. Production of Industrial valves for power plants, pipelines, refineries and industrial plants of any kind.

 **140**
EMPLOYEES

 **9.000 m²**
OF PRODUCTION SPACE

Production of
INDUSTRIAL VALVES



Steel Foundry

All casting product components are made in our own TERMOVENT SC Steel Foundry in Backa Topola, Serbia. Our long-standing supplier of castings Steel Foundry has become a member of our company since 2003.

 **175**
EMPLOYEES

 **8.500 m²**
OF PRODUCTION SPACE

Production of
STEEL CASTINGS





TERMOVENT SC's ongoing investments into the latest machines and process technology is the key factor for continuously increasing productivity ensuring accurate, efficient and high quality production of valve components.



We feature highly developed production capacities. TERMOVENT SC is continuously investing in latest machines and process technologies, every year. This way we can increase our productivity and achieve a successful and good quality production.

5-axis CNC Machining Center — 2 pcs.

CNC - Lathes — 8 pcs.

CNC Horizontal Machining Centers — 2 pcs.

CNC Vertical Milling Center

CNC Metal Saw — 3 pcs.

Automatic Welding Machines — 4 pcs.

Vertical Lathes (Carousel) — 2 pcs.

Universal Lathes — 24 pcs.

Drilling Machines — 9 pcs.

Milling Machines — 7 pcs.

Horizontal Boring / Milling / Turning Machine (Borwerk) — 4 pcs.

Grinding Machines — 3 pcs.

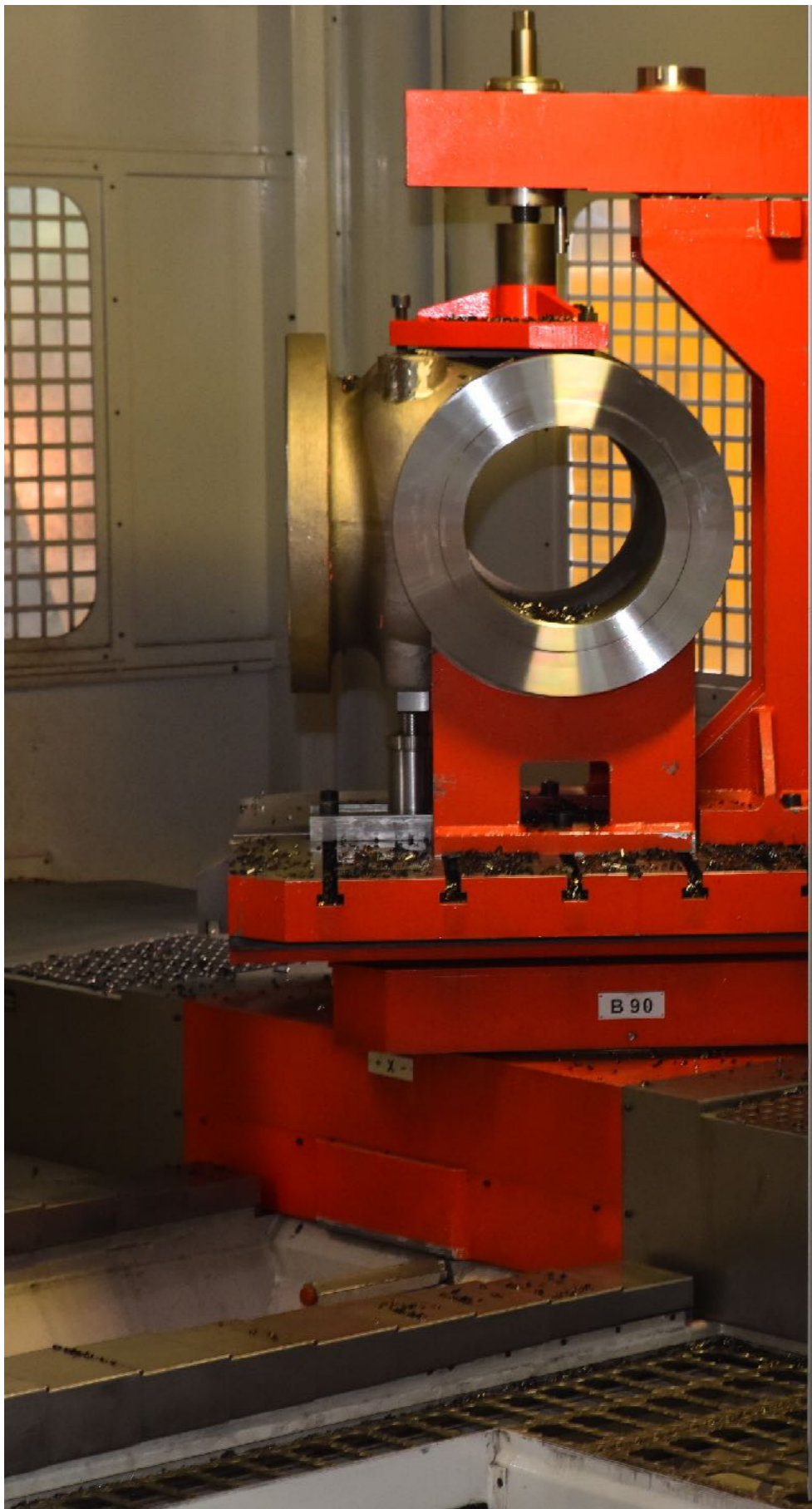
Lapping Machines — 3 pcs.

Automatic Painting Lines — 2 pcs.

Thread Rolling Machine

ProHeat™ 35 Heat Treatment System

Design, process planning, casting, machining, assembly, testing, surface treatment, logistic and quality management integrated in our own plants is crucial for ensuring the constant high quality of TERMOVENT SC products.





In keeping with the pertinent standard, every single product is tested. A unique identification number on each product allows a full traceability of all activities and material consumption. The control process is a permanent activity in our company, including: reception, process (between stages) and final control.

Reliable Quality Maintenance and on-going improvement of products quality are a commitment and responsibility of all company employees. A reliable and quality product is our priority, and a satisfied customer - our objective in continuity.

Test bench up to 1600 bar (up to 6 bar with air)

Test bench up to 650 bar (up to 6 bar with air)

Test bench up to 500 bar (up to 6 bar with air)

Test bench for hydraulic testing up to 1000 bar

Spectrometers for chemical analysis of materials (PMI)

Equipment for ultrasonic examination — 2 pcs.

Equipment for magnetic particle examination

Equipment for wall thickness measuring

Hardness testing equipment

Equipment for coating thickness measuring

Equipment for liquid penetrant examination



We pay special attention to the application of current international rules and standards in quality system development. We keep improving and maintaining a high level of the quality system through active education.

We have the following valid certificates:

Valve Plant

- TÜV InterCert ISO 9001-2015
- EN ISO 3834
- AD-2000 Merkblatt HP 0
- PED 2014/68/EU – Module H1



- API 6A - 1129
- API 6D - 1049
- API 600 - 0096



- TP TC 032/2013
- TP TC 010/2011
- TP TC 012/2011



- Regulations 2016. SI 2016 No.1105



Steel Foundry

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- AD-2000 Merkblatt W 0 Directive 2014/68/EU



Fields of Application



Energetics

- Thermal Power Plants
- Hydroelectric Power Plants
- Heating Stations
- Boilers Production
- Energy from Waste Power Plants
- Biomass Power Plants
- Solar, Wind, Renewable Energy Power Plants



Oil & Gas

- Oil & Gas Exploitation
- Oil & Gas Pipelines
- Oil Refineries & Oil Processing
- Pumping Stations & Tanks



Process Industry

- Ironworks
- Smeltery
- Cement Industry
- Paper Industry
- Heating and Cooling Systems
- Production of Agricultural Fertilizers
- Sugar Refineries
- Chemical Plants
- Petrochemical Plants

Fields of Application

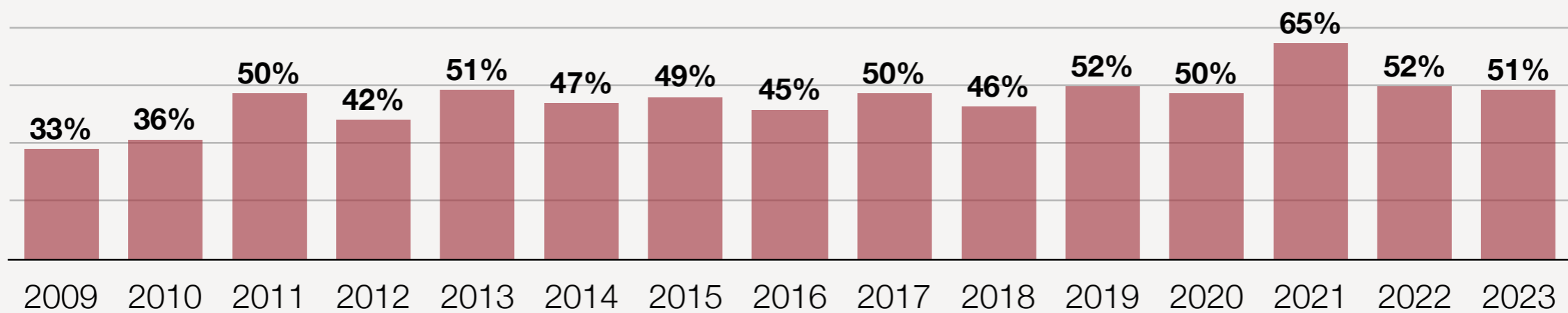


- Thermal Power Plants
- Production of Machines and Tools
- Cement Industry
- Mines and Ironworks
- Construction (Building) Industry
- Railways
- Automotive Industry
- Agricultural Mechanization
- Shipbuilding
- Valves Industry



Foundry Capacity
cca. 3.000 ton yearly

Termovent SC Steel Foundry - Export by the years (in %)



Materials

Carbon Steels

GE300
GP240GH
WCB
LCB
20L

Heat Resistant Steels

GX40CrNiSi27-4
GX40CrNiSi 25-20
GX130CrSi29

Stainless Steels

GX5CrNi19-10
GX5CrNiMo19-11-2
GX5CrNiMoNb19-11-2
GX5CrNiNb19 11
GX12Cr12
CF8
CF8M
CF8C
12X18H9T
12X18H12M3T

Wear Resistant Steel

G20Mn5
GX120Mn13
GX120Mn18-2

Abrasive Resistant Steels

GX300CrMo15 3
GX300CrMo27 1

Alloy Steels

G20Mo5
G17CrMo5-5
G17CrMo9-10
G24CrMo4
4A
4C
WC1
WC6
WC9
C5
C12A
CA15
G35CrNiMo6-6
G32NiCrMo8-5-4

Other materials acc. to EN or ASTM Standards

Gate/Globe/Check Valves and Strainers
acc. to EN Standards

Gate/Globe/Check/Plug Valves and Strainers
acc. to API Std.

High Pressure Globe/Gate and Swing Check Valves

Control Valves

Forged Gate/Globe/Check Valves and Strainers
acc. to API 602

Oil & Gas Exploitation Products

Other Types of Products



Gate/Globe/Check Valves and Strainers according to European Norms (EN)

BASIC FEATURES

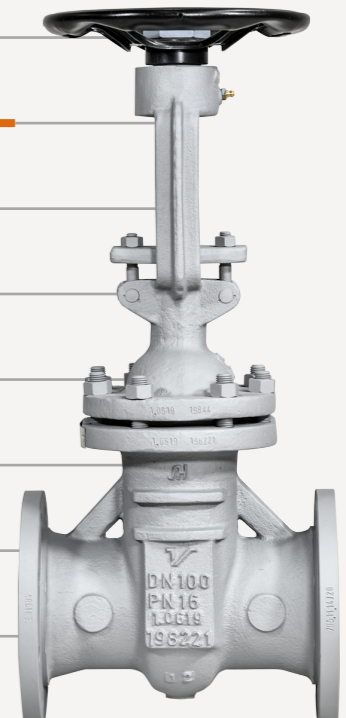
		Forged Materials		Casted Materials	
		EN	GOST	EN	GOST
Materials	Carbon Steels	1.0460	20	1.0619	20Л
	Low Temperature Carbon Steel	1.0565	09Г2С	1.1131	20ГЛ
	Low Temperature Alloy Steel			1.6220	20ГМЛ
	Low Alloy Steel	1.5415	15М	1.5419	
	Heat Resistant Alloy Steels	1.7335, 1.7383, 1.7366, 1.4903	15ХМ, 10Х2М, 15Х5М, 10Х9МФБ	1.7357, 1.7379, 1.7365, 1.4955	20ХМЛ, 20Х2М1Л, 20Х5МЛ
	Stainless Steel	1.4301/1.4307, 1.4401/1.4404, 1.4541, 1.4550, 1.4571	08Х18Н10/03Х18Н11, 08Х16Н11М3/03Х17Н14М3, 08Х18Н10Т, 10Х17Н13М2Т	1.4308, 1.4552, 1.4408, 1.4581	07Х18Н9Л, 12Х18Н9ТЛ, 12Х18Н12М3ТЛ
Pressures-temperatures ratings:		EN 12516-1			
Installation lengths:		EN 558-1 and EN 12982			
Flange type and size conform to standard:		EN 1092-1			
Butt Welding Ends (BW) type and size conform to standard:		EN 12627			
Inspection and Testing conform to Standard:		EN 12266, Part 1 and part 2			



Gate Valves acc. to EN 1984

Type: GEN

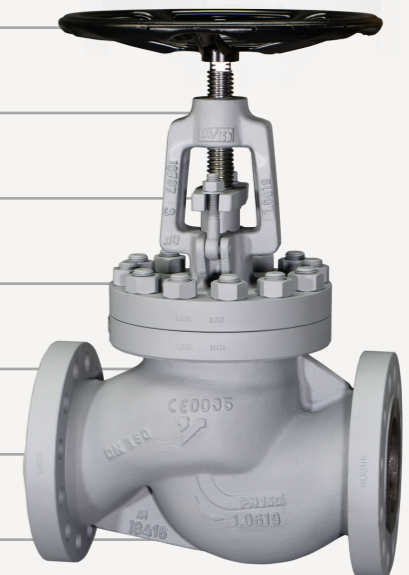
Material type		Casted Materials														
DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600	650
Nominal Pressure	PN 16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 25	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 63	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 160	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Globe Valves acc. to EN 13709

Type: VENS

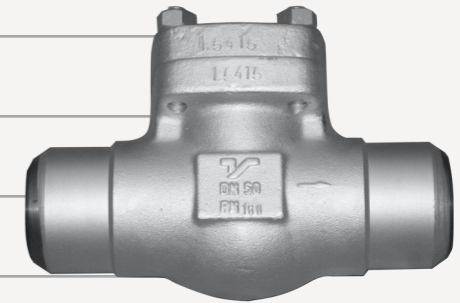
Material type		Forged Materials					Casted Materials										
DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
Nominal Pressure	PN 40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PN 63	•	•	•	••	••	•	•	•	•	•	•	•	•	•	•	•
	PN 100	•	•	•	••	••	•	•	•	•	•	•	•	•	•	•	•
	PN 160	•	•	•	••	••	•	•	•	•	•	•	•	•	•	•	•
	PN 250	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Lift Type Check Valves acc. to EN 13709

Type: CLEN

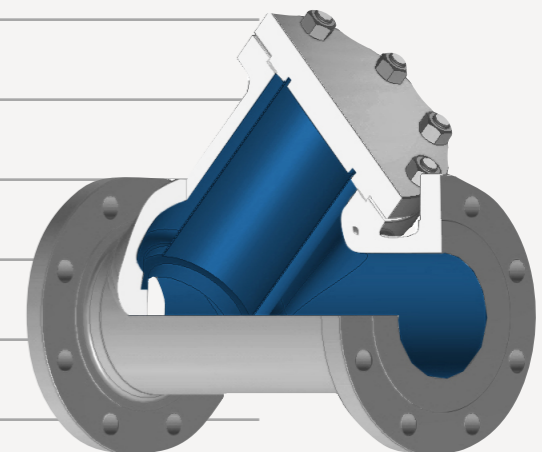
Material type		Forged Materials					Casted Materials										
DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
Nominal Pressure	PN 40	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PN 63	●	●	●	●	●	●	●	●	●	●	●	●	●			
	PN 100	●	●	●	●	●	●	●	●	●	●	●	●	●			
	PN 160	●	●	●	●	●	●	●	●	●	●	●	●	●			
	PN 250	●	●	●	●	●											



Y type Strainers

Type: SENY

Material type		Forged Materials					Casted Materials						
DN		15	20	25	32	40	50	65	80	100	125	150	200
Nominal Pressure	PN 16	●	●	●		●	●		●	●	●	●	●
	PN 25	●	●	●		●	●		●	●	●	●	●
	PN 40	●	●	●		●	●		●	●	●	●	●
	PN 63	●	●	●	●	●	●	●	●	●		●	●
	PN 100	●	●	●	●	●	●	●	●	●		●	●
	PN 160	●	●	●	●	●	●	●	●	●		●	●
	PN 250	●	●	●	●	●							



Gate/Globe/Check/Plug Valves and Strainers according to API Standards

BASIC FEATURES

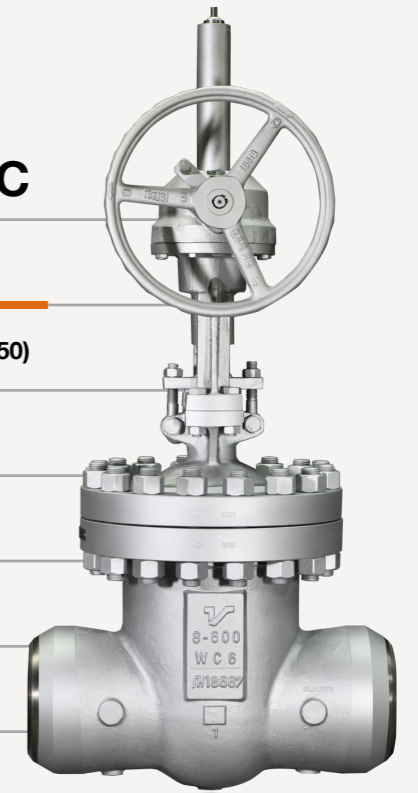
		Casted Materials
M a t e r i a l s	Carbon Steels	WCB
	Low Temperature Carbon Steel	LC1, LCB, LCC
	Low Temperature Alloy Steel	LC2
	Low Alloy Steel	WC1
	Heat Resistant Alloy Steels	WC6, WC9, C5, C12, C12A
	Stainless Steel	CF8, CF8M, CF8C
Pressures-temperatures ratings:		ASME B16.34
Installation lengths:		ANSI B16.10
Flange type and size conform to standard:		ANSI B16.5
Butt Welding Ends (BW) type and size conform to standard:		ANSI B16.25
Inspection and Testing conform to Standard:		API 598



Gate Valves acc. to API 600

Type: GAC

Material type:		Casted Materials													
NPS (DN)		2" (50)	2 1/2"(65)	3"(80)	4"(100)	6"(150)	8"(200)	10"(250)	12"(300)	14"(350)	16"(400)	18"(450)	20"(500)	24"(600)	26"(650)
Pressure Class	Class 150	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Class 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Class 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Class 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Class 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Globe Valves acc. to API 623/BS 1873

Type: VBS

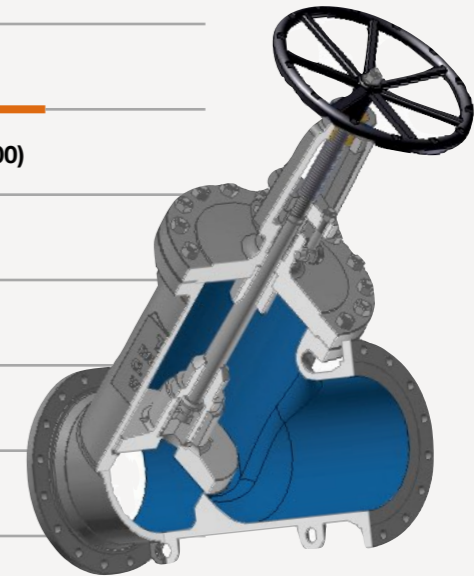
Material type:		Casted Materials									
NPS (DN)		2" (50)	2 1/2"(65)	3"(80)	4"(100)	6"(150)	8"(200)	10"(250)	12"(300)	16"(400)	
Pressure Class	Class 150	•	•	•	•	•	•	•	•	•	
	Class 300	•	•	•	•	•	•	•	•	•	
	Class 600	•	•	•	•	•	•	•	•	•	
	Class 900	•	•	•	•	•	•	•	•	•	



Y type Globe Valves acc.to API 623/BS 1873

Type: VBSY

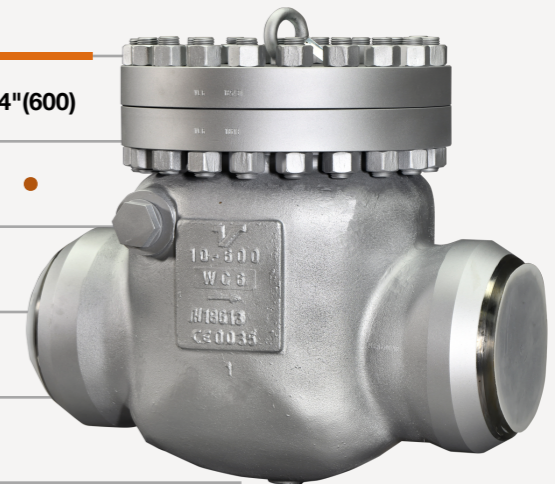
Material type:		Casted Materials											
NPS (DN)		2" (50)	2 1/2"(65)	3"(80)	4"(100)	5"(125)	6"(150)	8"(200)	10"(250)	12"(300)	14"(350)	16"(400)	20"(500)
Pressure Class	Class 150	•		•	•	•	•	•	•	•	•	•	•
	Class 300	•		•	•	•	•	•	•				
	Class 600	•	•	•	•		•	•	•				
	Class 900	•	•	•	•	•	•	•					
	Class 1500	•											



Swing Check Valves acc. to API 6D/BS 1868

Type: CSBS

Material type:		Casted Materials												
NPS (DN)		2" (50)	2 1/2"(65)	3"(80)	4"(100)	5"(125)	6"(150)	8"(200)	10"(250)	12"(300)	14"(350)	16"(400)	18"(450)	24"(600)
Pressure Class	Class 150	•	•	•	•	•	•	•	•	•	•	•	•	•
	Class 300	•	•	•	•	•	•	•	•	•	•	•		
	Class 600	•	•	•	•		•	•	•					
	Class 900	•	•	•	•	•	•	•	•					
	Class 1500	•	•	•	•									



Y type Strainers

Type: SBSY

NPS (DN) 1/2"(15) 3/4"(20) 1"(25) 1 1/4"(32) 1 1/2"(40) 2" (50) 2 1/2"(65) 3"(80) 4"(100) 5"(125) 6"(150) 8"(200) 10"(250) 12"(300) 14"(350) 16"(400) 20"(500)

Material type:

Forged Materials

Casted Materials

Pressure Class	Forged Materials					Casted Materials											
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
Class 150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 600	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 900	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 1500	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



Plug Valves acc.to API 6D/API 599

Type: CPV

NPS (DN) 1/2"(15) 3/4"(20) 1"(25) 1 1/4"(32) 1 1/2"(40) 2" (50) 2 1/2"(65) 3"(80) 4"(100) 5"(125) 6"(150) 8"(200) 10"(250) 12"(300) 14"(350)

Material type:

Forged Materials

Casted Materials

Pressure Class	Forged Materials					Casted Materials									
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"
Class 150	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Class 600	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



High Pressure Globe Valve

High Pressure Globe Valves acc. to Mnf. Standard

Pressure Seal Globe Valves acc. to ANSI B16.34

BASIC FEATURES

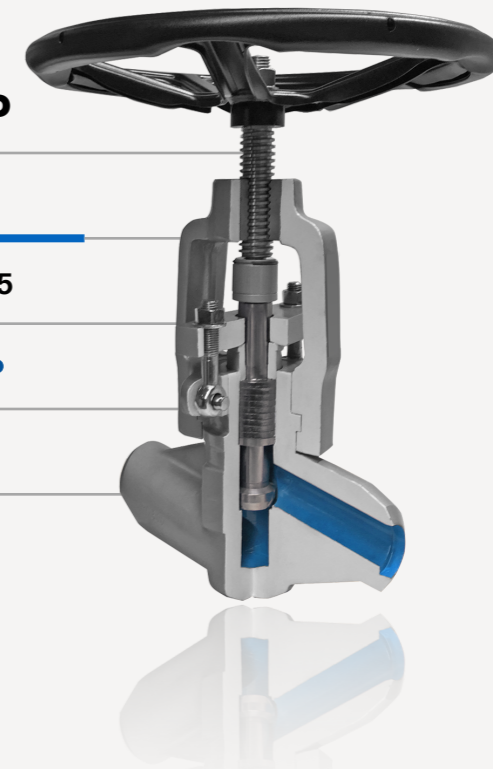
	Forged Steels	Cast Steels	
M a t e r i a l s	Carbon Steels	A105/1.0460	WCB/1.0619
	Low Temperature Carbon Steel	LF2/1.0565	LC1, LCB, LCC
	Low Temperature Alloy Steel		LC2
	Low Alloy Steel	F1/1.5415	WC1
	Heat Resistant Alloy Steels	F12Cl.2/1.7335, F22 Cl.3/1.7383, F5/1.7366, F9, F91/1.4903	WC6/1.7357, WC9/1.7379, C5/1.7365, C12, C12A/1.4955
	Stainless Steel	F304/304L(1.4301/1.4307), F316/316L(1.4401/1.4404), F316H, F316Ti /1.4571, F321/321H(1.4541), F347/347H(1.4550)	CF8/1.4308, CF8M/1.4408, CF8C/1.4552
Pressures-temperatures ratings:	ASME A1:G13 or EN 12516-1		
Installation lengths:	ANSI B16.10 or EN 558-1 and EN 12982		
Flange type and size conform to standard:	ANSI B16.5 or EN 1091-1		
Butt Welding Ends (BW) type and size conform to standard:	ANSI B16.25 or EN 12627		
Inspection and Testing conform to Standard:	API 598 or EN 12266		



High Pressure Globe Valves acc. to Mnf. Standard

Type: VHP

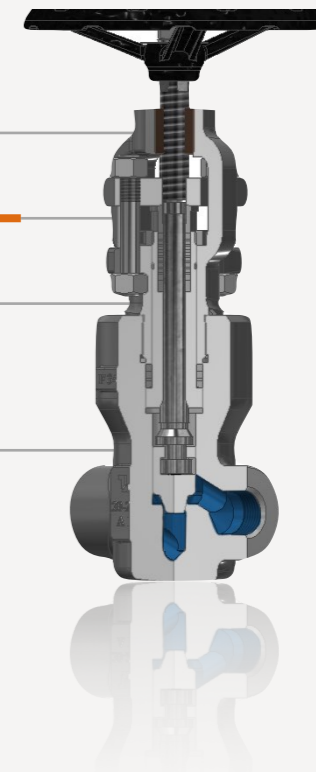
Material type		Forged Materials							
	DN	10	15	20	25	32	40	50	65
Nominal Pressure	PN 250	•	•	•	•	•	•	•	•
	PN 400	•	•	•	•	•	•	•	•
	PN 500	•	•	•	•	•	•	•	•



Pressure Seal Globe Valves acc. to ANSI B16.34

Type: VHP_PS

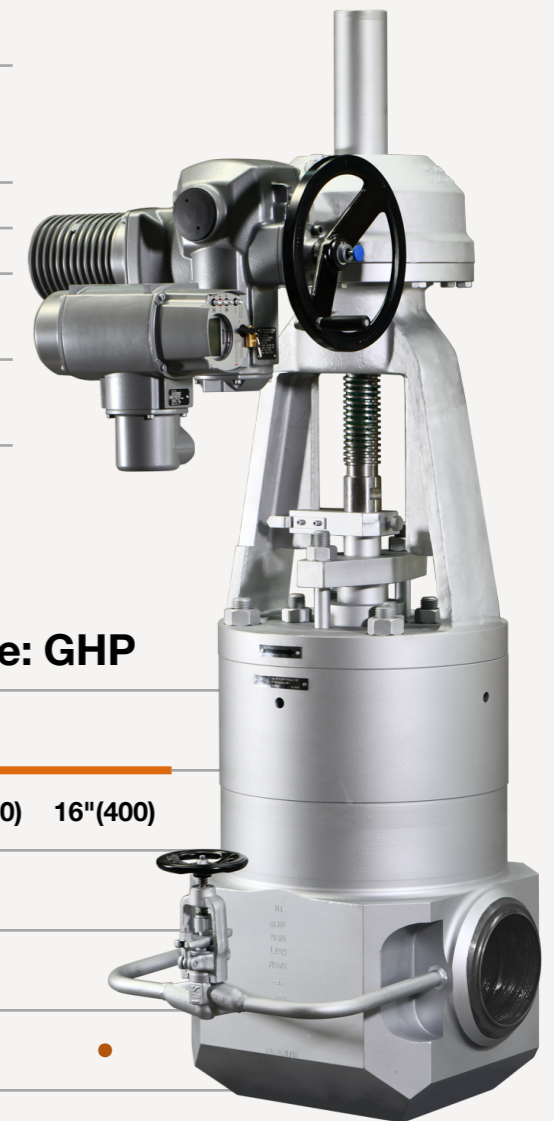
Material type		Forged Materials				Casted Materials		
	NPS (DN)	1/2"(15)	3/4"(20)	1"(25)	3"(80)	4"(100)	6"(150)	8"(200)
Pressure Class (Nominal Pressure)	Class 1500 (PN 250)	•	•		•		•	•
	Class 2500 (PN 400)	•	•	•	•	•	•	



High Pressure Gate Valves

BASIC FEATURES

		Forged Steels	Cast Steels
Materials	Carbon Steels	A105/1.0460	WCB/1.0619
	Low Temperature Carbon Steel	LF2/1.0565	LC1, LCB, LCC
	Low Temperature Alloy Steel		LC2
	Low Alloy Steel	F1/1.5415	WC1
	Heat Resistant Alloy Steels	F12Cl.2/1.7335, F22 Cl.3/1.7383, F5/1.7366, F9, F91/1.4903	WC6/1.7357, WC9/1.7379, C5/1.7365, C12, C12A/1.4955
	Stainless Steel	F304/304L(1.4301/1.4307), F316/316L(1.4401/1.4404), F316H, F316Ti /1.4571, F321/321H(1.4541), F347/347H(1.4550)	CF8/1.4308, CF8M/1.4408, CF8C/1.4552
Pressures-temperatures ratings:		ASME A1:G13 or EN 12516-1	
Installation lengths:		ANSI B16.10 or EN 558-1 and EN 12982	
Flange type and size conform to standard:		ANSI B16.5 or EN 1091-1	
Butt Welding Ends (BW) type and size conform to standard:		ANSI B16.25 or EN 12627	
Inspection and Testing conform to Standard:		API 598 or EN 12266	



Pressure Seal Gate Valves acc. to ANSI B16.34

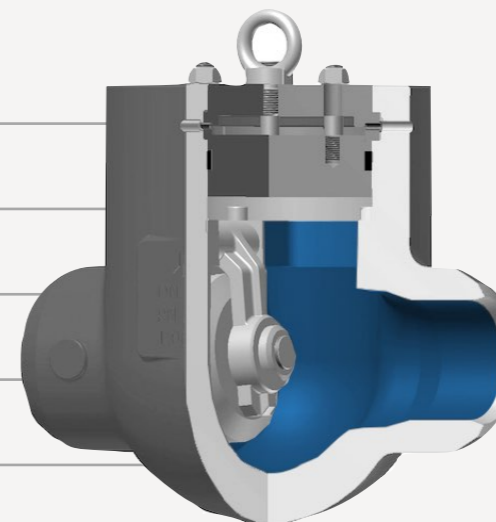
Type: GHP

Material type	Forged Materials							Cast Materials						
	NPS (DN)	1/2"(15)	3/4"(20)	1"(25)	2" (50)	2 1/2"(65)	3"(80)	4"(100)	6"(150)	8"(200)	10"(250)	12"(300)	14"(350)	16"(400)
Pressure Class (Nominal Pressure)	Class 600 (PN 100)				•				•	•				
	Class 900 (PN 160)				•	•	•		•	•		•		
	Class 1500 (PN 250)	•	•		•	•	•	•	•	•	•	•	•	•
	Class 2500 (PN 400)	•	•	•		•	•	•	•	•	•	•		

High Pressure Swing Check Valve and Needle Valve

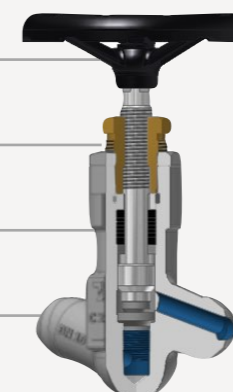
High Pressure Swing Check Valve

Type	CHPS
DN (NPS)	10 (3/8") ÷ 250 (10")
Rating	PN 250 (CI 1500) and PN 400 (CI 2500)
Standard Materials	
1.0619, 1.6220, 1.7357, 1.7379, C12A, 1.4308, 1.4408	WCB, WC1, WC6, WC9, C12A, CF8, CF8C, CF8M
1.0460, 1.5415, 1.7335, 1.7383, 1.4903, 1.4301, 1.4541, 1.4404,	A105, F1, F12 Cl.2, F22 Cl.3, F91, F304, F321, F316,



Needle Valve

Type	VNS
DN	6 ÷ 15
Rating	PN 16 ÷ 500
Standard Materials	
1.0460, 1.0565, 1.5415, 1.7335, 1.7383, 1.4903, 1.4301, 1.4541, 1.4404	

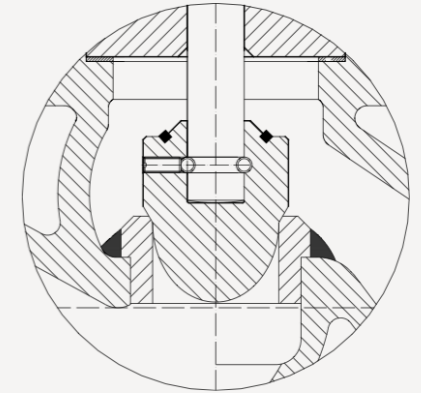


Other materials acc. to EN or ASTM Standards

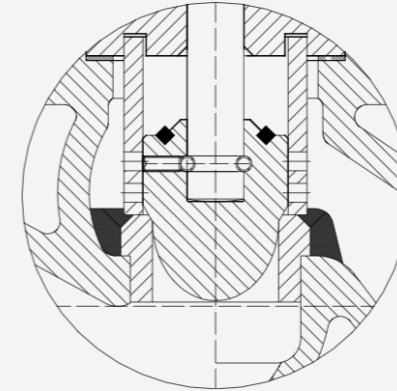
Control Valves

With equal percentage or linear flow characteristic

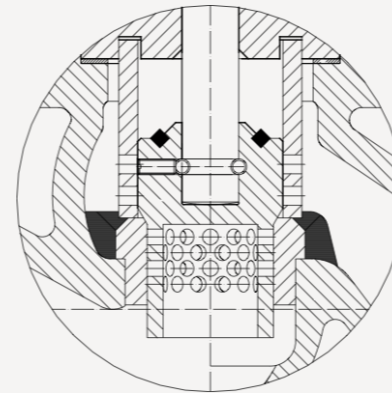
1 Stage design
with Parabolic Plug



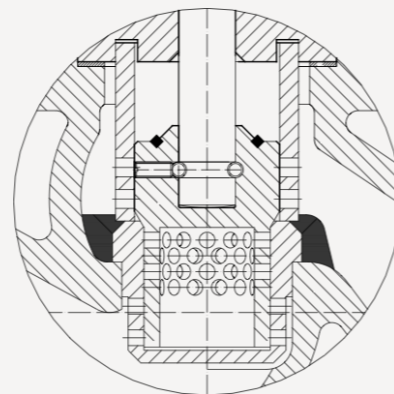
2 Stage design
with Parabolic Plug
and Anti-Cavitation Cage



2 Stage design
with Perforated Plug
and Silencer



3 Stage design
with Perforated Plug, Seat
and Anti-Cavitation Cage



Control Valves acc. to EN 1349 / EN 60534

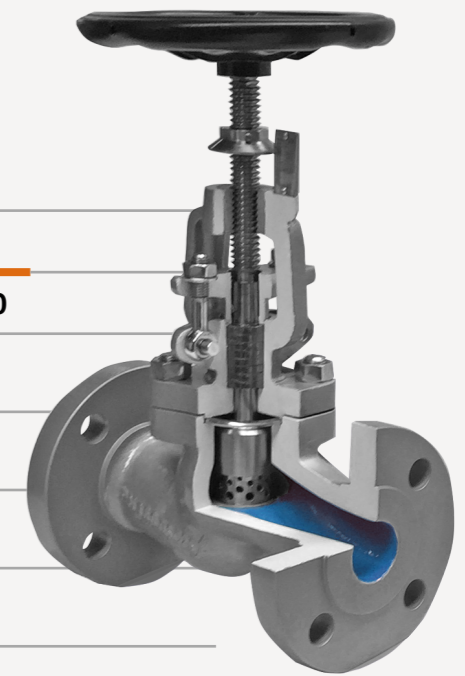
BASIC FEATURES

	Forgings		Castings	
	EN	GOST	EN	GOST
Materials	Carbon Steels	1.0460	20	1.0619 20Л
	Low Temperature Carbon Steel	1.0565	09Г2С	1.1131 20ГЛ
	Low Temperature Alloy Steel			1.6220 20ГМЛ
	Low Alloy Steel	1.5415	15М	1.5419
	Heat Resistant Alloy Steels	1.7335, 1.7383, 1.7366, 1.4903	15ХМ, 10Х2М, 15Х5М, 10Х9МФБ	1.7357, 1.7379, 1.7365, 1.4955 20ХМЛ, 20Х2М1Л, 20Х5МЛ
	Stainless Steel	1.4301/1.4307, 1.4401/1.4404, 1.4541, 1.4550, 1.4571	08Х18Н10/03Х18Н11, 08Х16Н11М3/03Х17Н14М3, 08Х18Н10Т, 10Х17Н13М2Т	1.4308, 1.4552, 1.4408, 1.4581 07Х18Н9Л, 12Х18Н9ТЛ, 12Х18Н12М3ТЛ
Pressures-temperatures ratings:	EN 12516-1			
Installation lengths:	EN 558-1 and EN 12982			
Flange type and size conform to standard:	EN 1092-1			
Butt Welding Ends (BW) type and size conform to standard:	EN 12627			
Inspection and Testing conform to Standard:	ANSI/FCI 70-2, EN 12266, and EN 60534			

Control Valves acc. to EN 1349 / EN 60534

Type: VENR

Material type	Forged Materials							Casted Materials									
	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
Nominal Pressure	PN 40	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PN 63	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PN 100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PN 160	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PN 250	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



Control Valves acc. to BS/ANSI

BASIC FEATURES

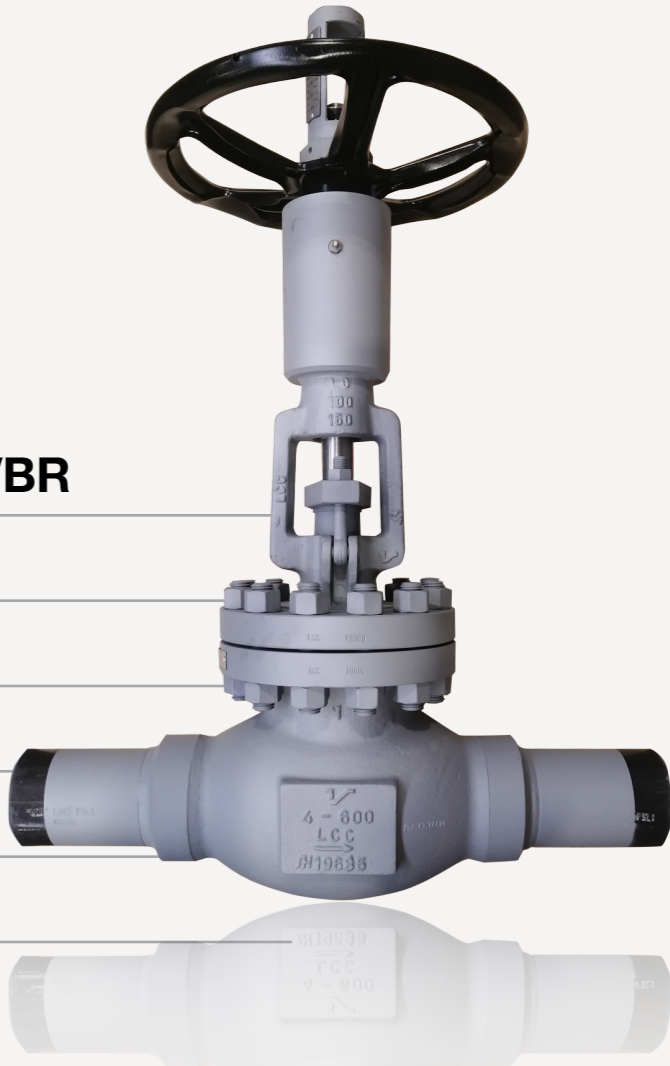
Casted Materials

Materials	Carbon Steels	WCB
	Low Temperature Carbon Steel	LC1, LCB, LCC
	Low Temperature Alloy Steel	LC2
	Low Alloy Steel	WC1
	Heat Resistant Alloy Steels	WC6, WC9, C5, C12, C12A
	Stainless Steel	CF8, CF8M, CF8C
Pressures-temperatures ratings:		ASME B16.34
Installation lengths:		ANSI B16.10
Flange type and size conform to standard:		ANSI B16.5
Butt Welding Ends (BW) type and size conform to standard:		ANSI B16.25
Inspection and Testing conform to Standard:		ANSI/FCI 70-2

Control Valves acc. to BS/ANSI

Type: VBR

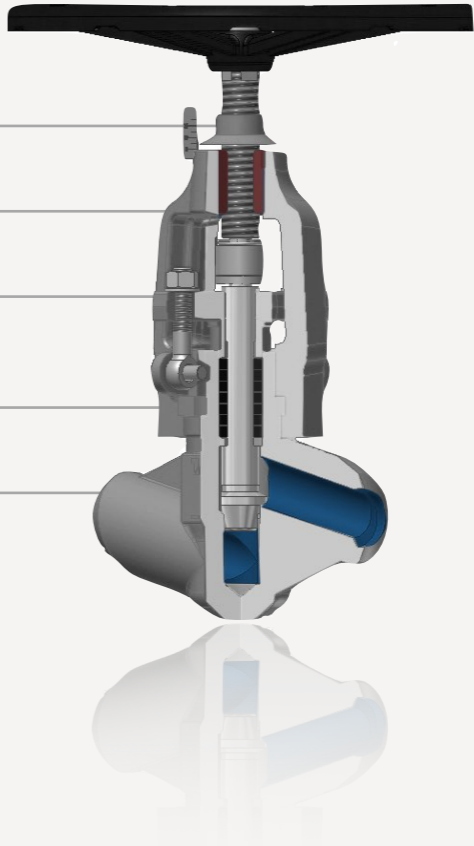
Material type:		Casted Materials								
NPS (DN)	2" (50)	2 1/2"(65)	3"(80)	4"(100)	6"(150)	8"(200)	10"(250)	12"(300)	16"(400)	
Pressure Class	Class 150	•	•	•	•	•	•	•	•	
	Class 300	•	•	•	•	•	•	•	•	
	Class 600	•	•	•	•	•	•	•	•	
	Class 900	•	•	•	•	•	•	•	•	



High Pressure Control Valve

High Pressure Control Valve

Type	VHPR	
DN (NPS)	10 (3/8") ÷ 65 (2 1/2")	
Rating	PN 250 ÷ 500 CI 1500 ÷ 2500	
Standard Materials		
	1.0460, 1.5415, 1.7335, 1.7383, 1.4903, 1.4301, 1.4541, 1.4404	A105, F1, F12 Cl.2, F22 Cl.3, F91, F304, F321, F316



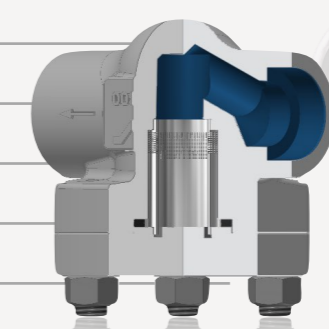
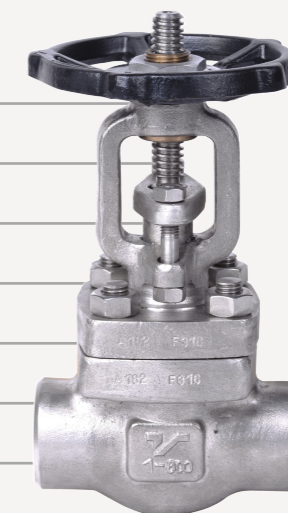
Other materials acc. to EN or ASTM Standards



Forged Gate/Globe/Check Valves and Strainers according to API 602 Standard

BASIC FEATURES

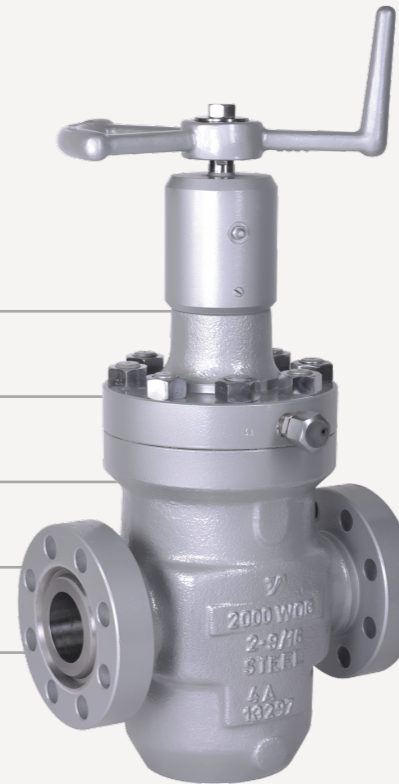
Valve type	Gate Valves	GAF
	Globe Valve	VAP
	Control Valve	VAPR
	Lift Type Check Valves	CAPL
	Swing Type Check Valves	CAPS
	Strainers	SAP
Dimensions:		NPS(DN) 3/8"(10) ÷ 2" (50)
Pressure Class:		Class 150 ÷ Class 1500
Materials	Carbon Steels	A105
	Low Temperature Carbon Steel	LF2
	Low Alloy Steel	F1
	Heat Resistant Alloy Steels	F12Cl.2, F22 Cl.3, F5, F9, F91
	Stainless Steel	F304/304L, F316/316L, F316H, F316Ti, F321/321H, F347/347H
Pressures-temperatures ratings:		API 602 and ASME B16.34
Installation lengths:		ANSI B16.10 and Standard Mnf.
Flange type and size conform to standard:		ANSI B16.5
Socket Welding Ends (SW) type and size conform to standard:		ANSI B16.11
Butt Welding Ends (BW) type and size conform to standard:		ANSI B16.25
Threaded Ends (NPT) type and size conform to standard:		ANSI B1.20.1



Oil & Gas Exploitation Products

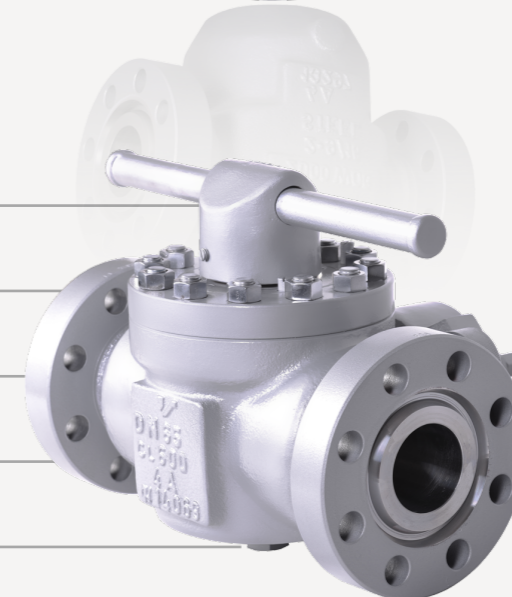
Xmass Tree Gate Valve API 6A

Type	GXT
DN (NPS)	50 (2 1/16") ÷ 100 (4 1/16")
Rating	2000 ÷ 5000 psi
Standard Materials	
4A, CA15	



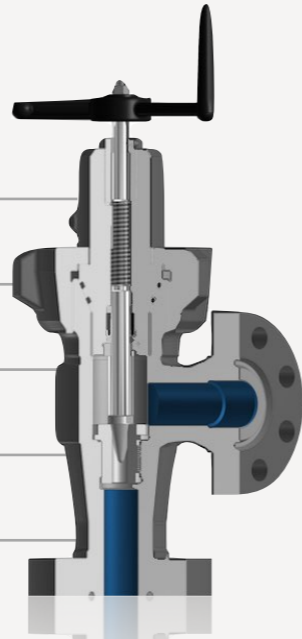
Pig Valve API 6D

Type	CPVP
DN (NPS)	50 (2") ÷ 150 (6")
Rating	Cl 600 ÷ 1500
Standard Materials	
WCB, LCB, LC1, LC2, CA15, CF8, CF8M	



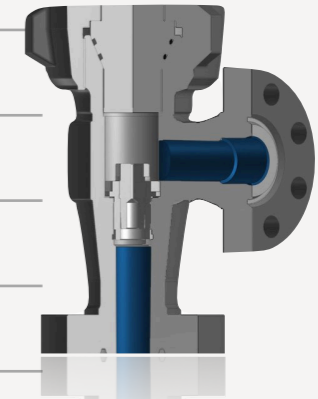
Adjustable Choke API 6A

Type	VAC
DN (NPS)	50 (2 1/16")
Rating	2000 ÷ 5000 psi
Standard Materials	
4A, CA15	



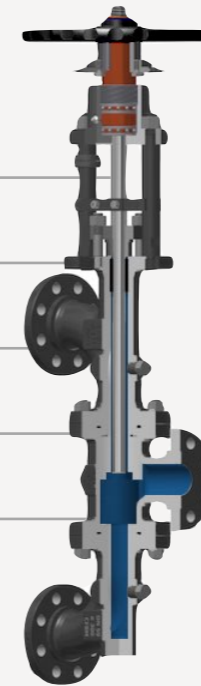
Positive Choke API 6A

Type	VPC
DN (NPS)	50 (2 1/16")
Rating	2000 ÷ 5000 psi
Standard Materials	
4A, CA15	



Change Over Valve

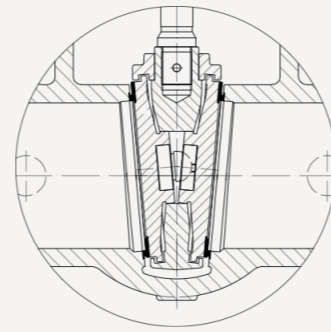
Type	COV
DN (NPS)	50 (2") ÷ 200 (8")
Rating	Cl 150 ÷ 900
Standard Materials	
WCB, LCB, LCC, CF8, CF8M	



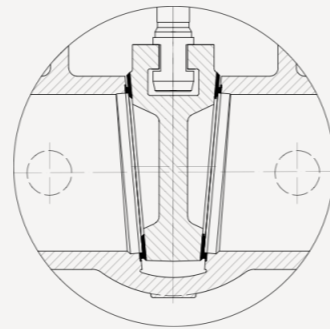
Other materials acc. to EN or ASTM Standards



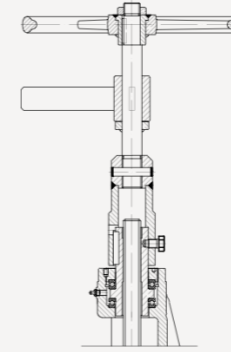
Optional Execution Gate Valves Globe Valves



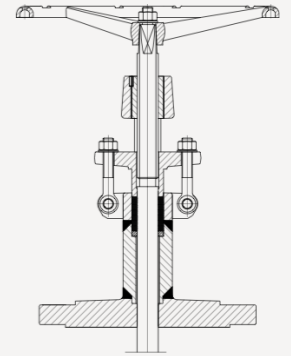
2 piece split wedge



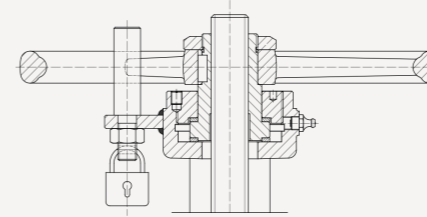
Solid wedge



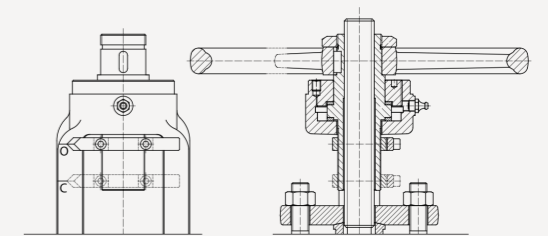
Extended stem



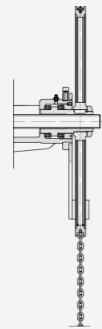
Extended bonnet



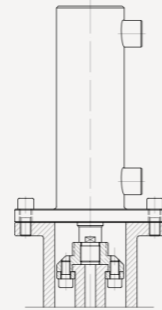
Locking device



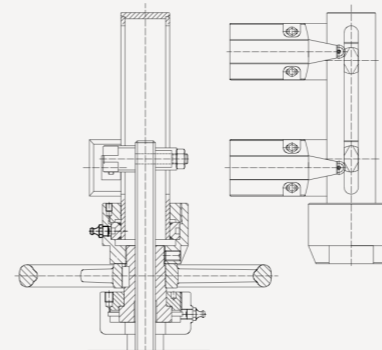
Position indicator



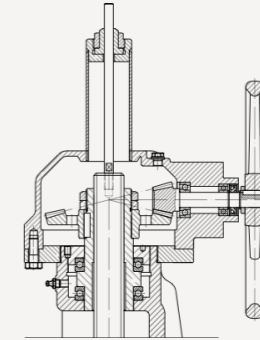
Chain operated



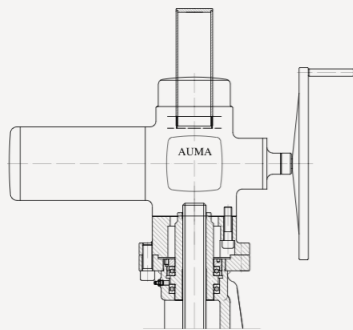
Hydraulic actuator



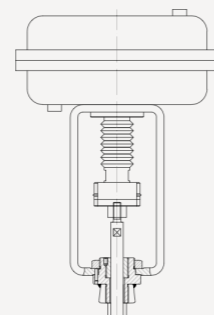
Limit switches



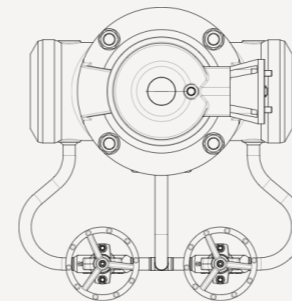
Gear operated



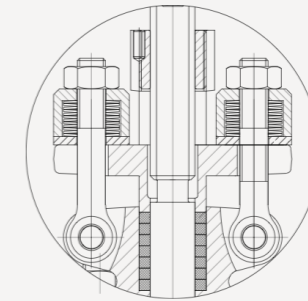
Electric actuator



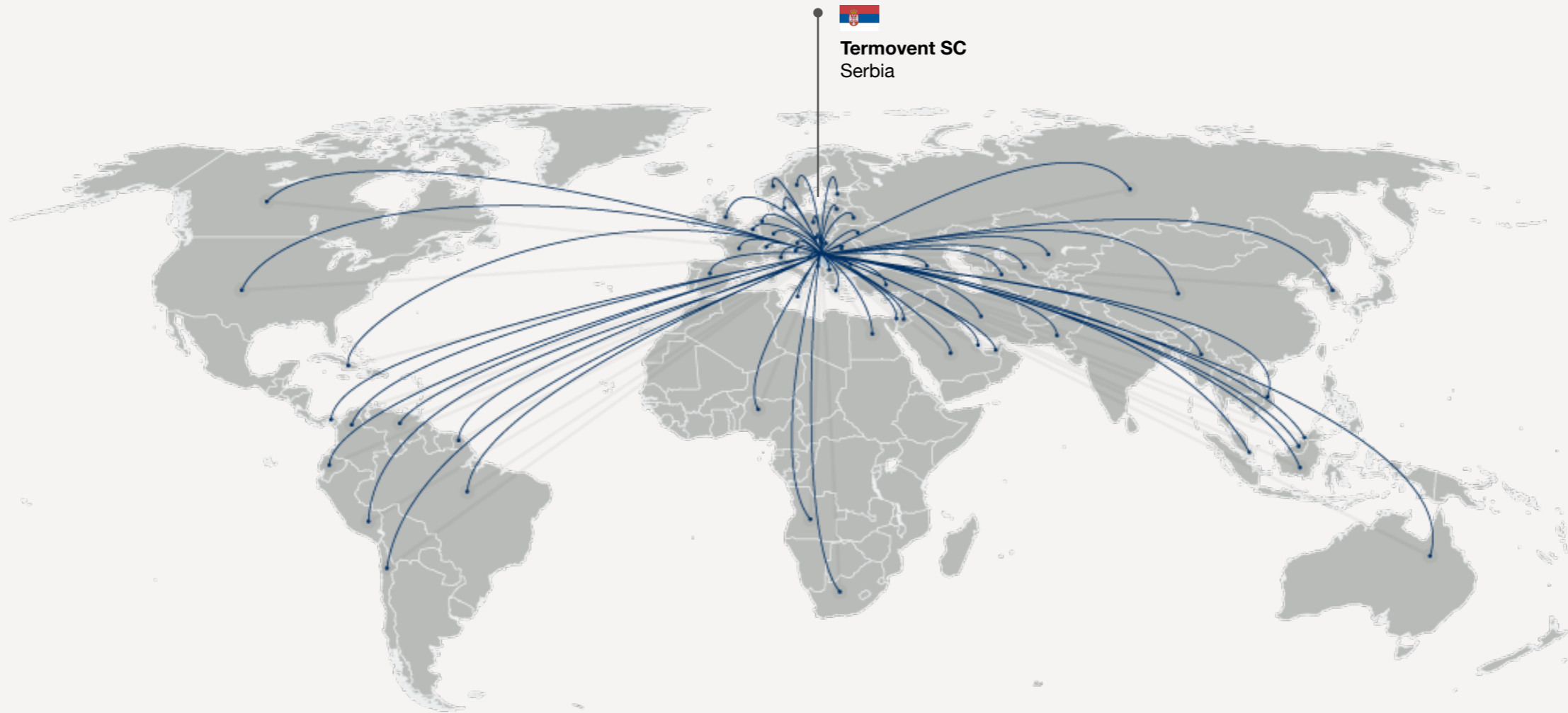
Pneumatic actuator



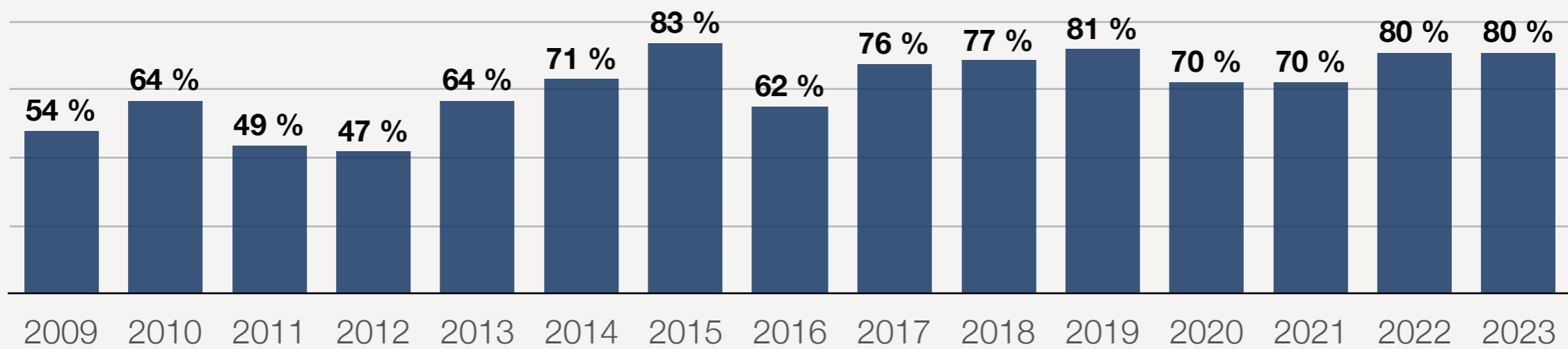
Overpressure safety device



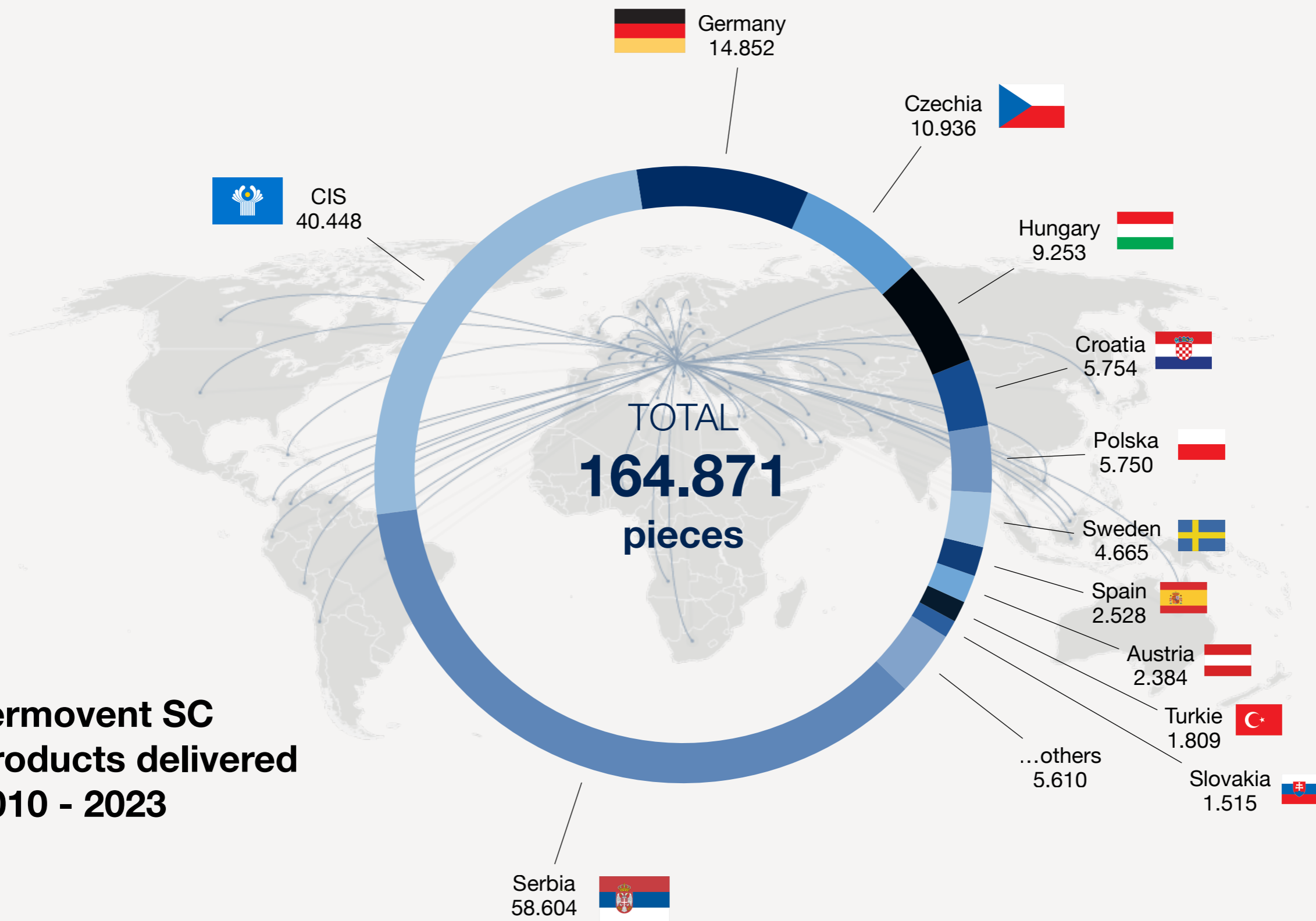
Spring loaded stuffing box



Tervovent SC - Export by the years (in %)



Termovent SC Products delivered 2010 - 2023

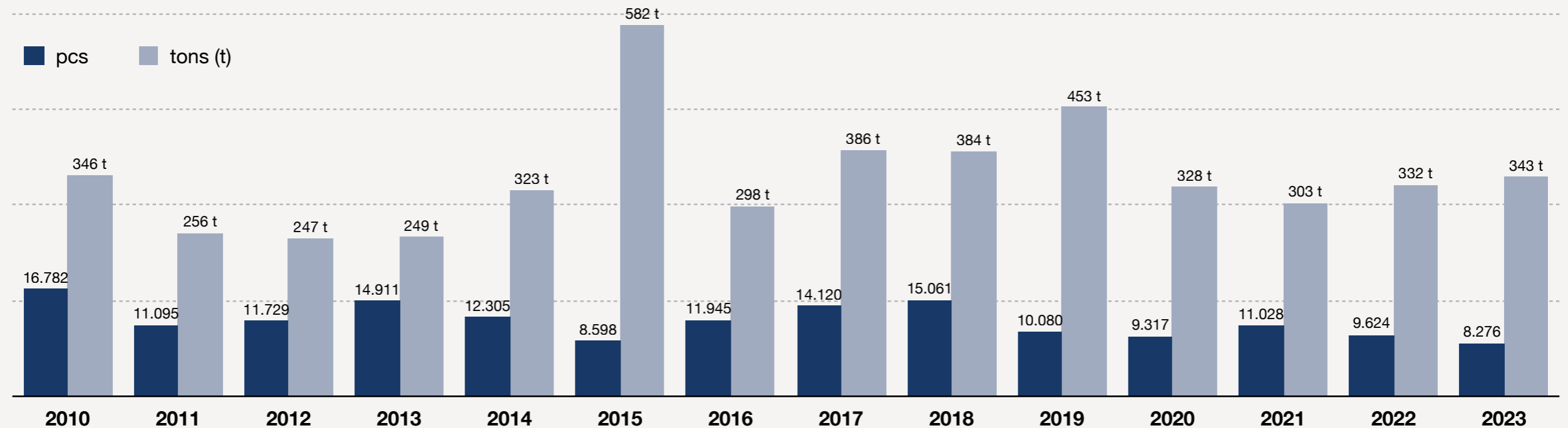


TERMOVENT SC products are installed and functioning at the many plants of 68 countries worldwide.

- | | | | | |
|----------------------|----------------|-------------|-----------------|--------------|
| ANGOLA | CROATIA | HUNGARY | NORWAY | SOUTH KOREA |
| AUSTRALIA | CUBA | INDONESIA | NORTH MACEDONIA | SPAIN |
| AUSTRIA | CZECH REPUBLIC | IRAN | PAKISTAN | SWEDEN |
| BELGIUM | DENMARK | IRAQ | PANAMA | SWITZERLAND |
| BELARUS | ECUADOR | ISRAEL | PERU | THAILAND |
| BOSNIA & HERZEGOVINA | EGYPT | ITALY | POLAND | TURKEY |
| BRAZIL | ESTONIA | JORDAN | QATAR | TURKMENISTAN |
| BRUNEI | FINLAND | KAZAKHSTAN | ROMANIA | UAE |
| BULGARIA | FRANCE | LITHUANIA | RUSSIA | UKRAINE |
| CANADA | FRENCH GUIANA | MALAYSIA | SAUDI ARABIA | USA |
| CHILE | GEORGIA | MALTA | SINGAPORE | UZBEKISTAN |
| CHINA | GERMANY | MONTENEGRO | SLOVAKIA | VENEZUELA |
| COLOMBIA | GREAT BRITAIN | NETHERLANDS | SLOVENIA | VIETNAM |
| | GREECE | NIGERIA | SOUTH AFRICA | |

Termovent SC - Products delivered by the years (in pieces & tons)

TOTAL: **4.830 tons**



EPC

DOOSAN Škoda Power, Czech Republic	2011
Siemens, Czech Republic	2011
Hitachi, Switzerland	2016
McDermott, USA, Czech Republic	2017
ThyssenKrupp Industrial Solution, Germany	2018
CASALE, Switzerland	2018
UNIS, Czech Republic	2019
Rafako, Poland	2020
TTU Urbanowicz , ANWIL, Poland	2020
ERBUD, POLAND	2021
PGE, SEFAKO Poland	2021
REMAK, Poland	2021
ENPPI, Egypt	2022
POLIMEX ENERGETYKA, Poland	2022
Gas Control GC, Poland	2022
GAZ SYSTEM, Poland	2022
PROZAP, Poland	2022
ENPC, Egypt	2023

EfW

Ferrybridge UK - England	2017
Tamoin, Spain	2018
Rookery UK - England	2020
NESS Aberdeen UK - Scotland	2020
Ivry II Paris, France	2020
Lostock UK - England	2021
Protos UK - England	2022
Pierrefonds, La Reunion, France	2022
Olstyn, Poland	2022
Kwinana Energy-from-Waste Plant, Perth, Australia	2022
Integrated Waste Management Facilities Phase 1 Hong Kong	2022/23
DOOSAN Tanajip, KSA	2023
SIEMENS Kronospan	2023
SIEMENS Dradenau CHP Plant, Germany	2023
SIEMENS Sahacogen, Thailand	2023
HITACHI Westfield, Scotland	2023
HITACHI Skelton Grange, Leeds, England	2023
SIEMENS Westfield, Scotland	2023
Rivenhall Integrated Waste Management Facility, Essex, UK	2024

BioMass / Solar / Wind / Renewable

Anda Sol 3 Solar PP, Granada, Spain	2010
Lund BioMass PP, Sweden	2013
Sleaford, Renewable Energy Plant, UK	2013
Hatay Wind PP, Turkie	2012/13
St. James and Merritt BioMass PP, Canada	2015
Dang Jin BioMass PP, S.Korea	2015
Drvni centar Glina, Croatia	2016
Macchiareddu Renewable Energy Complex, Italy	2017
Djakovo, Croatia	2017
TeesREP, Renewable Energy Plant, UK	2018
Slatina, Croatia	2018
Županja, Croatia	2018
Curtis BioMass PP, Spain	2019
Cubillos BioMass PP, Spain	2019
Huelva BioMass PP, Spain	2019
Karlovac BioMass, Croatia	2019
TETA Kazan-Acersoy&SATEM BioMass PP, Turkey	2020
Gospić BioMass, Croatia	2020
Brinje BioMass, Croatia	2020
Sodegaura BioMass PP, Japan	2019/22
Montsinery-Tonnegrade BioMass, French Guiana	2021/22
La Reunion Bio-mass Power Plant, La Reunion - France	2023
Djuro Djakovic Bio-Mass PP, Latvia	2024

Iron & Steel Industry / Mine

ThyssenKrupp Uhde-Dragon Steel, CO Plant, Taiwan	2011
Rusal, Russia	2016
Arcelor Mittal, Bosnia and Hercegovina	2018
NLMK, Russia	2016/18/19
Voestalpine Stahl Linz, Austria	2018/2020
Aluminium Oxid Stade, Germany	2017/20/21
Zijin Copper, Serbia	2019/20/21
Metinvest/Zaporizhstal, Ukraine	2019/21/22
Arcelor Mittal, Poland	2021/2022
Aurubis, Bulgaria	2021/22/23
KGHM, Poland	2022/23
LKAB, Sweden	2023
HBIS, Serbia	2016÷2024
EVRAZ, Russia	2017÷2024

ThermoEnegetics

Boca de Jaruco Condensation Steam Turbine, Cuba	2012	Mishor Gas PP, Israel	2019	Tuzla Thermal Power Plant, Bosnia and Hercegovina	2021/23
Brista, Sweden	2013	Lansing Gas PP, USA	2019	ENEA, Poland	2021/22/23
Jönköping, Sweden	2014	Namjeju Oil Thermal PP, S. Korea	2019	HEP, NTK 4, Croatia	2022/23
Termotasajero II, Columbia	2014	Lombok PP, Indonesia	2020	CE Oltenia, Romania	2022/23
Lichterfelde PP, Germany	2015	K-Electric, Pakistan	2020	PGE, Polska Grupa Energeyczna, Poland	2022/23
Kelar CCPP, Chile	2015	Opole PP, Poland	2015/20/21	KIPAS Thermal Power Plant, Turkey	2023
BIO4-HOFOR CHP Plant, Denmark	2017	TER, Mosenergo, TPP - TEC 22, Russia	2019/20/21	KOGENERACJA S.A. EC Czechnica, Poland	2023
Assiut Thermal Power Plant, Egypt	2017	PGE Belchatow, Poland	2020/21	GRUPA AZOTY ZAK Power Plant, Poland	2023
Mainz Wiesbaden Gas PP, Germany	2018	TAMEH Polska	2021	Heating Plant Vreoci, Serbia	2023
Paco Panama PP, Panama	2014/18	Katrinefors Kraftvärme-Mariestads CHPP, Sweden	2021	Heating Plant Banja Luka, Bosnia and Hercegovina	2023
Grati, Gas PP, Indonesia	2017/18	Planá nad Lužnicí HPP, Czech Republic	2014/22	TPP Nikola Tesla, Serbia	2010 ÷ 2024
SES Tlmače, Czech Republic	2018	Temelin NPP, Czech Republic	2019/22	TAURON, Poland	2022/23/24
Žeran CCPP Plant, Poland	2018	Power Plant Ruse, Bulgaria	2020/22	SASOL, South Africa	2023/24
Fadhili, CHP Plant, KSA	2018	District heating Pernik, Bulgaria	2020/21/22	ČEZ Group, Czech Republic	2023/24
Muara Tawar CCPP Plant, Indonesia	2018	Wood-fired CHP Cuxhaven, Germany	2022	Pha Lai Power Plant, Vietnam	2024
DOOSAN Okpai, Nigeria	2018	SIEMENS BCC2 Project CCPP Power Plant Map Ta Phut, Thailand	2022	SIEMENS -Brno sever project	2024
Zarqa CHP Plant, Jordan	2017/19	Slough Siemens Steam Turbine, UK	2022	Djuro Djakovic Villers Saint Paul Power Plant	2024
Hasyan Clean Coal PP, UAE	2018/19	DOOSAN Elektrárny Opatovice (EOP), Czech Republic	2019/23	ESKOM, South Africa	2024

Oil & Gas

CJSC Caspian Pipeline Consortium, Kazakhstan	2013	UNIPETROL, Czech Republic	2018	ADNOC, UAE	2020/22
Kuibyshev Oil Refinery, Russia	2014	Komsomolsk Refinery, Russia	2018	Bulgartransgaz, Bulgaria	2021/22
Achinsk Refinery, Russia	2015	VPK OIL - KOCHENEVSKIY REFINERY, Russia	2018	TOTAL, Germany	2022
OMV, Austria	2016	Mozyr, Belarus	2010/11/16/19	Huntoil, Iraq - Erbil	2022
Novokuibyshevsk Refinery, Russia	2016	Lukoil, Bulgaria	2017/18/19	Petroleum Marine Services-PMS, Egypt	2022
Antipinski Refinery, Russia	2015/17	Repsol, Spain	2019	MOL, Hungary	2017/22/23
Pavlodar Oil Chemistry Refinery, Kazakhstan	2017	TAIF NK, Russia	2019	PCK Refinery, Germany	2022/23
SIEMENS - Chinarevskoe Oil Field, Kazakhstan	2017	Petroperu, Talara I Talara II	2019	ORLEN Płock, Poland - Hydrocracking	2022/23
Petronas, Malaysia	2017	Turkstream Bulgarian - Hungarian interconnection, Serbia	2020	Srbijagas, Serbia	2023
Transnafta, Serbia	2017	Gulei, China	2020	OKTA, North Macedonia	2023
Lukoil, Russia	2011 ÷ 2018	Lukoil Neftochim Burgas, Bulgaria	2020	NIS a.d. - Gazpromneft, Serbia	2010 ÷ 2024
Syzran Refinery, Russia	2014/18	Naftan, Belarus	2010/19/20/21	Slovnaft, Slovakia	2018/23/24
OAO SLAVNEFT-YANOS, Russia	2015/18	Rosnaft, Russia	2018/19/20/21	QAPCO, Qatar	2019/20/24
		Angarsk Petrochemical Refinery, Russia	2016/20/22	GAZ System, Poland	2023/24
				PGNiG Poland	2023/24

Chemical / Petrochemical / Processing / Food

EuroChem, Nevinomyssk Azot, Russia	2014	GrodnoAzot, Belarus	2021	GRUPA AZOTY ZAK, Poland	2023
URALCHEM, Voskresensk Mineral Fertilizers, Russia	2015	DOOSAN SOREK-Sea water desalination Plant "B", Israel	2021	GRUPA AZOTY FOSFORY , Poland	2023
Acron, Velikiy Novgorod, Russia	2014/15	PhosAgro, Russia	2016/19/22	CHIECH S.A. Poland	2023
Borealis Kallo, Belgium	2016	MESSER CO2 PLANT - SOS RUSANDA, Serbia	2022	Methanol Acid Plant Kikinda, Serbia	2010 ÷ 2024
Al Nouran Sugar Project, Al Salhiya Al Jadida, Egypt	2016	BORSODCHEM, HUNGARY	2022	Brunei Fertilizer Plant, Brunei	2018/19/23/24
JSR MOL, Synthetic rubber plant, Hungary	2017	PT. Tanjungenim Lestari Pulp and Paper, Muara Enim, Sumatera Selatan, Indonesia	2022	MOL Petrolkémia (TVK), HUNGARY	2022/24
Nitrogénművek Zrt. Fertilizer Plant, Hungary	2017	Lotos, Poland	2022	GRUPA AZOTY TARNÓW, Poland	2022/23/24
Nitrogénművek Zrt, Hungary	2017	PCC Rokita, Poland	2022	ANWIL, Poland	2023/24
BASF, Spain	2017	Elixir Prahovo, Serbia	2022/23	GRUPA AZOTY POLICE , Poland	2023/24
Novoyazot Nitric Acid Plant, Uzbekistan	2018	GRUPA AZOTY PUŁAWY, Poland	2022/23	Cukrownia Miejska Górka, Poland	2024
EuroChem, NAK Azot, Tula, Russia	2011/16/17/18	Egyptian Nitrogen Products Co. - ENPC, Egypt	2023	MONDI, Poland	2024
METAFRAX, Gubaha, Russia	2016 ÷ 2019	MOPCO Misr Fertilizers Production Company New Cairo, Egypt	2023	Tessengerlo Chemie, Belgium	2024
SABIC Spain	2019	ARKEMA, France	2023	Engie, Belgium	2024
Bai Bang Paper Mill, Vietnam	2020	MONDI, Sweden	2023	KALL Ingredients Kft, Hungary	2024
Abou Zaabal Fertilizersand Chemicals, Egypt	2020/21	MONDI, Finland	2023		
PRECHEZA a.s., Přerov, Czech Republic	2021	Duslo a.s. Slovakia	2023		
		HUNGRANA Sugar Factory, Hungary	2023		
		Togliattiazot (TOAZ) Russia	2023		



CASALE – Navoiyazot plant Uzbekistan



Bulgartransgaz, Bulgaria



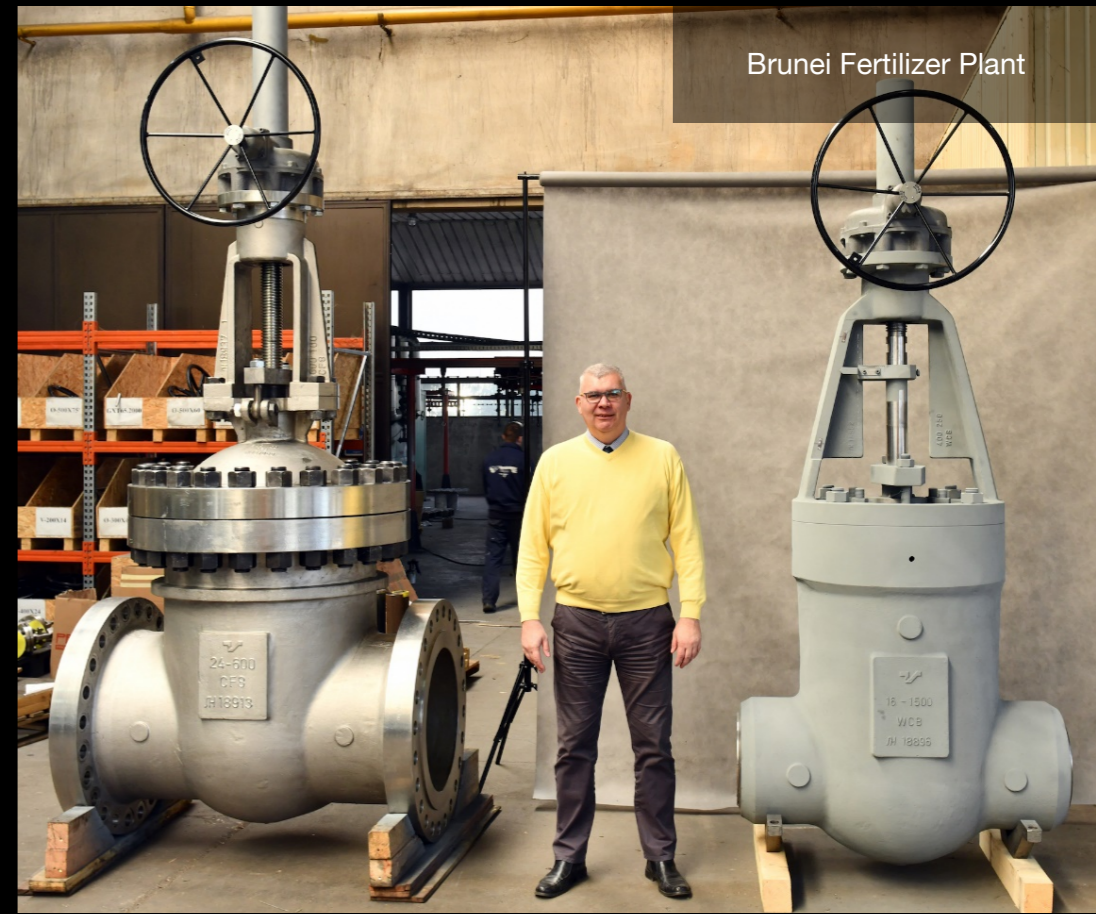
TAIF NK Refinery Nizhnekamsk, Russia



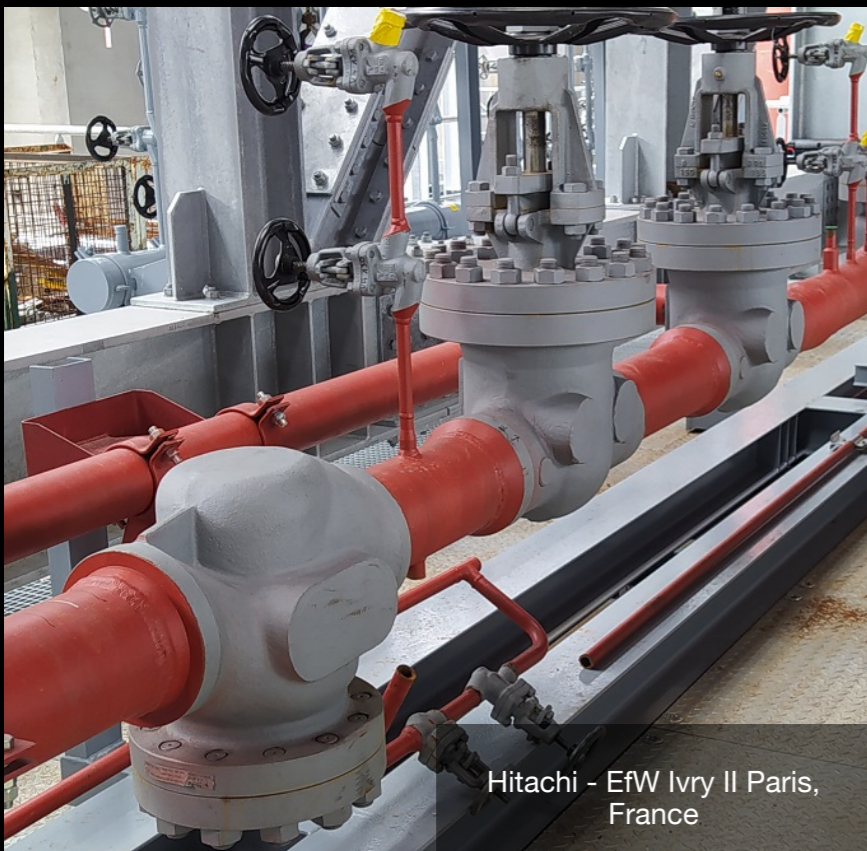




Gulei Project China



Brunei Fertilizer Plant



Hitachi - EfW Ivry II Paris, France



UNIS - NAFTAN, Belarus



Transnafta, Serbia







Brunei Fertilizer Plant



5. 8. 2021. 13:19





Rivenhall EfW plant, UK



MOL Petrolkémia - TVK



EPS - TENT B, Serbia



MOL Petrolkémia - TVK

BorsodChem Hungary



Cold Box Bell - MSK -
Methanol and Acetic
Acid Complex, Serbia



Tuzla PP, Bosnia
and Hercegovina



Kipas Paper Mill, Turkey

Thank You!



termoventsc.rs / E-mail: office@termoventsc.rs / Termovent SC, Serbia 2024