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France 1930



Sart Von Rohr, is a French manufacturer of control valve, serving its customer base since 1930. Worldwide, thousands of industrial customers trust SART von Rohr and benefit from its unique knowledge. Its reliable, innovative and on point solutions enhance your process, from design to efficient implementation.

SART von Rohr headquarters, research and development team and main factory are located in the North-East of France. Our second facility in Türkiye produces and serves the Turkish and Asian markets.

SART von Rohr production is divided in 2 divisions:

- **CONTROLEO®**: dedicated to industrial process control. It manufactures control valves as well as pressure and temperature regulators.
- **BYVAP®**: dedicated to steam systems equipment. It manufactures steam boiler associated equipment and process as much as line steam traps.

SART von Rohr works on all types of industries, even the most challenging ones, using effective products that deliver excellent performance across all markets.

Izmir plant 2018

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Certification



ISO 9001:2015



DESP 2014/68/EU
Machinery 2023/1230



ATEX
2014/34/EU



IECEx
ISO 80079-36:2016
ISO 80079-37:2016



French Origin
Certified



2020 P

2020 E

Features

Size	DN15 to DN100 – (1/2" to 2")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40 – Class 150, 300
Body Rating	Class 600
Connection	Flanged / Threaded (BSP, NPT)
Kvs	0.1 to 160 m ³ /h, Characteristic Equal %
Temperature range	-60°C to 400°C
Packing	PTFE/ Carbon Standard low emission packing
Technology	Cage / Clamped seat
Certification	CE Ex

Options

- Flanges with tongue/groove
- Graphite packing
- Linear characteristic
- Stellite / nitrided seat
- Accessories on request (Booster, solenoid valve, limit switch, etc.)
- Leakage Class V
- Balanced plug
- Perforated hardened plug
- Anti-noise plug

Pneumatic actuators: PA35/60 – MA41

Electric actuators: AUMA type SBA06/08/45/80 – SDL50/100 – SBE60/150



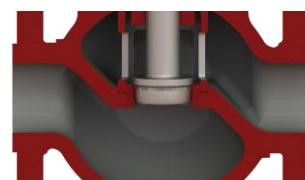


Features

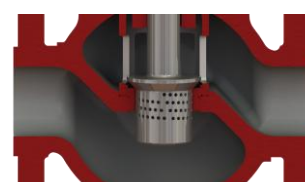
Size	DN15 to DN300 – (1/2" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.7357 – A217 WC6, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40, 100, 160 – Class 150, 300, 600, 900
Body Rating	Class 600
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000, BW Sch 80)
Kvs	0.1 to 1 440 m ³ /h, Characteristic Equal %
Temperature range	-60°C to 500°C
Packing	PTFE/ Carbon Standard low emission packing
Technology	Cage / Clamped seat
Certification	CE Ex

Options

- Flanges with tongue/groove
- Graphite packing
- Stellite / nitrided seat
- Linear characteristic
- High-temperature extension
- Thermal Fluid / Bellows
- Leakage Class V
- Accessories on request (Booster, solenoid valve, limit switch, etc.)
- Balanced plug
- Perforated plug
- Hardened stainless steel plug
- Anti-noise plug
- Double/Triple cage
- Handwheel



Parabolic plug



Perforated plug

Pneumatic actuators: PA35/60 – MA41/60 – TMA41/60 – DMA60

Electric actuators: AUMA type SBA06/08/45/80/200 – SDL50/100 – SBE20/60/150



Features

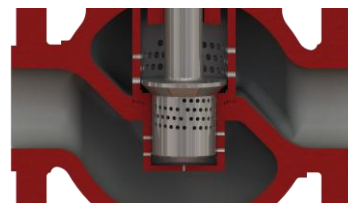
Size	DN25 to DN300 – (1" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.7357 – A217 WC6, 1.7379 – A217 C12 A, 1.4408 – A351 CF8M, 1.6982
Pressure Rating	PN63, 100, 160, 250 – Class 600, 900, 1500, 2500
Body Rating	Class 1500/2500
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 6000, BW Sch 160)
Kvs	0.4 to 1 100 m³/h, Characteristic Equal %
Temperature range	–60°C to 560°C
Packing	Graphite
Plug	Parabolic or Perforated
Technology	Cage / Clamped seat
Certification	CE Ex

Options

- Double/Triple/Quadruple cage
- Linear characteristic
- Balanced plug
- High-temperature extension
- Seat / Hardened stainless steel plug
- Seat / Plug with Stellite
- Leakage Class V
- Handwheel
- Pneumatic or electric actuator
- Accessories on request (Booster, solenoid valve, limit switch, etc.)



Double-cage
perforated plug



Triple-cage
perforated plug

Pneumatic actuators: PA35/60 – MA41/60 – TMA41/60 – DMA60



Features

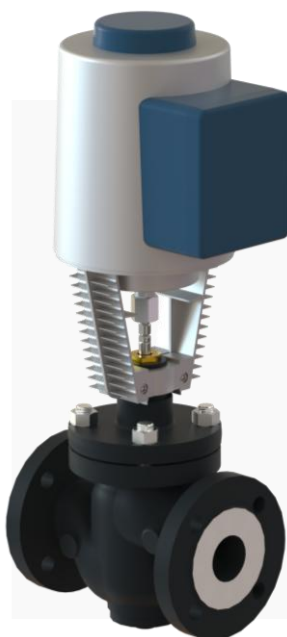
Size	DN25 to DN300 – (1" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40, 100 – Class 150, 300, 600
Connection	Flanged / Between flanges – Face to face ISA 75.08.02/EN558 Series 36
Kvs	9 to 2 210 m³/h
Trim	100%, 70%, 40%, 20%
Temperature range	-60°C to 400°C
Packing	PTFE/ Carbon Standard low emission packing
Certification	CE Ex

Options

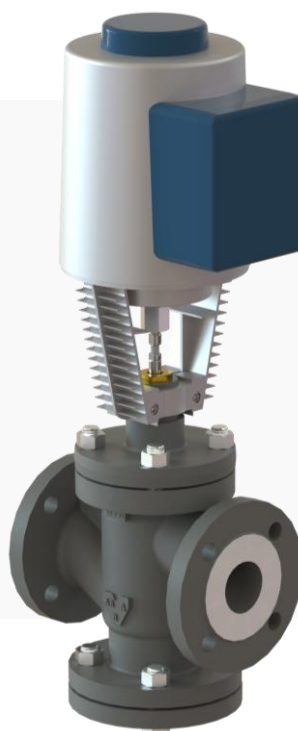
- Graphite packing
- Handwheel
- Accessories on request (positioner, solenoid valve, etc.)

Pneumatic actuators

SRX15 / SRX30 / SRX60 / SRX120



9300



9362

Features

Size	DN15 to DN200
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN40
Connection	Flanged
Kvs	0.6 to 430 m ³ /h
Temperature range	-60°C to 400°C
Packing	PTFE/ Carbon Standard low emission packing
Certification	CE

- 9300 → Superheated water network
- 9362 → Steam network

Options

- Graphite packing
- High-temperature extension
- Linear characteristic
- Flanges with tongue/groove
- Balanced plug
- Profiled plug

Electric actuators

Siemens type SKB/SKC



Features

Size	DN15 to DN200
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40 – Class 150
Connection	Flanged
Kvs	3.9 to 480 m ³ /h
Temperature range	-60°C to 400°C
Packing	PTFE/ Carbon Standard low emission packing
Function	Mixing (Y) or Diverting (Z)
Certification	CE

Options

- Graphite packing
- High-temperature extension
- Linear characteristic
- Flanges with tongue/groove
- Soft-seated plug
- Special face-to-center

Electric actuators

Siemens type SKB/SKC/SKD



Features

Size	DN25 to DN300 – (1" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.7357 – A217 WC6, 1.4408 – A351 CF8M
Pressure Rating	PN63, 100, 160, 250 – Class 600, 900, 1500, 2500
Connection	Flanged / Welded (SW, BW)
Kvs	4 to 1 300 m ³ /h
Temperature range	–60°C to 400°C
Packing	Graphite
Function	Mixing (Y) or Diverting (Z)
Certification	CE Ex

Options

- Linear characteristic
- High-temperature extension
- Seat / Hardened stainless steel plug
- Seat / Plug with Stellite
- Handwheel
- Pneumatic or electric actuator
- Accessories on request (Booster, solenoid valve, limit switch, etc.)

Pneumatic actuators: PA35/60 – MA41/60



7562 P flanged with
high-temperature
extension



7562 P with flanged ends



7562 E

Features

Size	DN15 to DN300 – (1/2" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40, 100 – Class 150, 300, 600
Connection	Flanged
Kvs	3.9 to 1 450 m ³ /h
Temperature range	-60°C to 400°C
Packing	PTFE/ Carbon Standard low emission packing
Function	Mixing (Y) or Diverting (Z)
Certification	CE Ex

Options

- Flanges with tongue/groove
- Graphite packing
- Stainless steel bellows / Thermal oil
- High-temperature extension
- Compensation flange

Pneumatic actuators

PA35/60 – MA41/MA60

Electric actuators

AUMA type SBA06/08/45/80/200 – SDL50/100 – SBE20/60/150

Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	4 to 190 m³/h
Temperature range	-10°C to 230°C
Packing	PTFE/ Carbon Standard low emission packing
Technology	Cage / Clamped seat
Leakage class	Tight shutoff (Class VI)
Differential pressure	≤ 10 bar
Certification	CE Ex



Options

- Flanges with tongue/groove
- Handwheel
- Limit switches
- Solenoid valve

Pneumatic on/off valve

Type TOR NP

Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	5.2 to 148 m³/h
Temperature range	-10°C to 230°C
Packing	PTFE/ Carbon Standard low emission packing
Leakage class	Tight shutoff (Class VI)
Certification	CE Ex



Section of TOR NP

Options

- Flanges with tongue/groove
- Handwheel
- Limit switches
- Solenoid valve





Features

Size	DN15 to DN300 – (1/2" to 12")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.7357 – A217 WC6, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40, 100, 160 – Class 150, 300, 600, 900
Body Rating	Class 600
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000, BW Sch 80)
Kvs	4 to 1 700 m ³ /h
Temperature range	–60°C to 500°C
Packing	PTFE/ Carbon Standard low emission packing
Technology	Cage / Clamped seat
Leakage class	Tight shutoff (Class VI)
Certification	CE

Options

- Flanges with tongue/groove
- Graphite packing
- Seat / Plug with Stellite
- Balanced plug
- High-temperature extension
- Soft-seated plug – Leakage Class VI
- Metal-seated valve – Leakage Class V
- Handwheel
- Accessories on request (Solenoid valve, limit switch, etc.)

Pneumatic actuators

PA35/60 – MA41/60

Electric actuators

AUMA type SBA06/08/45/80/200 – SDL50/100 – SBE20/60/150

Features

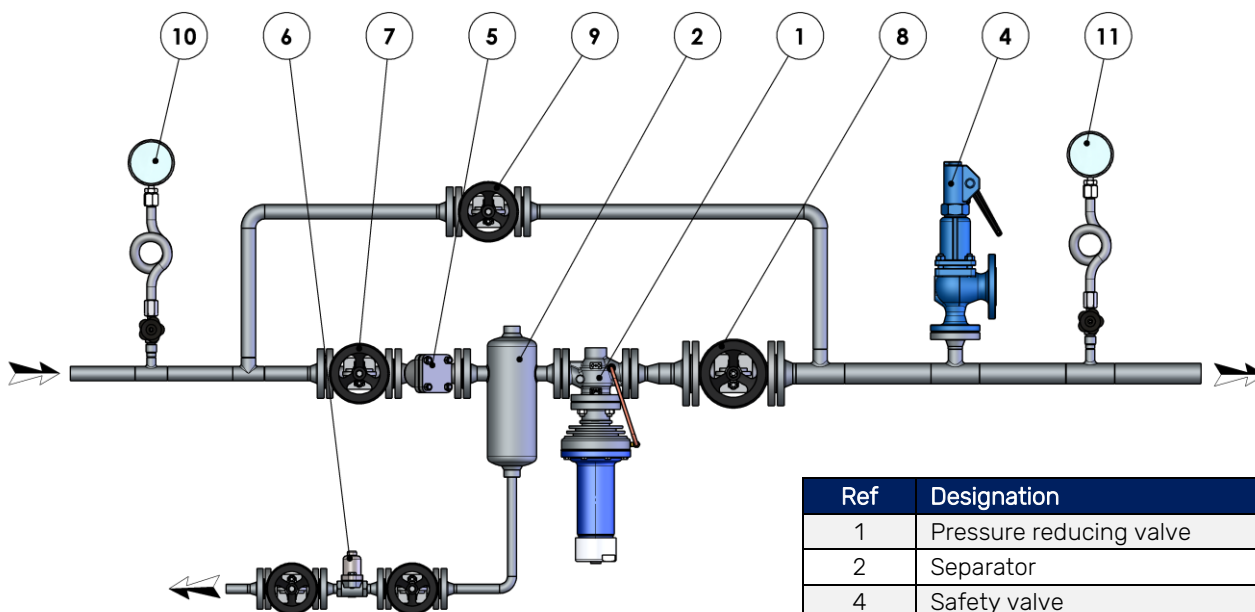
Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	0.08 to 108 m³/h
Temperature range	–60°C to 250°C
Set Pressure	0.1 to 12 bar
Certification	CE Ex



Options

- Perforated hardened plug
- PTFE Soft seat plug ($\leq 200^{\circ}\text{C}$)
- $K_v < 1$
- Hydrocarbon version
- Low-pressure version

Schematic diagram



Ref	Designation
1	Pressure reducing valve
2	Separator
4	Safety valve
5	Y-strainer
6	Steam trap
7	Upstream isolation valve
8	Downstream isolation valve
9	Bypass valve
10	Upstream pressure gauge
11	Downstream pressure gauge



Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	0.08 to 126 m³/h
Set Pressure	0.06 to 32.9 bar
Certification	CE Ex
PR515: Unbalanced	
PR515E: Piston-balanced	



PR515E/CA

PR515 – PR515E

Options

- PTFE Soft seat plug ($\leq 200^{\circ}\text{C}$)
- Device without copper alloy
- Internal or external impulse, depending on feasibility
- Differential version (D)
- Pilot-operated version (CA)

Excess pressure valve

Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	0.2 to 296 m³/h
Set Pressure	0.1 to 32.9 bar
Certification	CE Ex
EP615: Unbalanced	
EP615E: Piston-balanced	



EP615E/CA

EP615 – EP615E

Options

- PTFE Soft seat plug ($\leq 200^{\circ}\text{C}$)
- Device without copper alloy
- Internal or external impulse, depending on feasibility
- Differential version (D)
- Pilot-operated version (CA)

Type PR516 – PR516E

Fluid: Steam

Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	0.1 to 75 m³/h
Set Pressure	0.1 to 15 bar
Certification	CE Ex

Options

- PTFE Soft seat plug ($\leq 200^{\circ}\text{C}$)
- Seat / Plug with Stellite
- Perforated plug (Noise-reducing)
- Device without copper alloy
- Stainless steel condensation chamber with 2 m of tubing and fittings
- Safety bellows
- Differential version (D)
- Pilot-operated version (CA)



Steam excess pressure valve

Type EP616 – EP616E

Fluid: Steam

Features

Size	DN25 to DN100 – (1/2" to 4")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	3 to 108 m³/h
Set Pressure	0.1 to 15 bar
Certification	CE Ex

Options

- PTFE Soft seat plug ($\leq 200^{\circ}\text{C}$)
- Seat / Plug with Stellite
- Perforated plug (Noise-reducing)
- Device without copper alloy
- Stainless steel condensation chamber with 2 m of tubing and fittings
- Safety bellows
- Differential version (D)



Features

Connection	1/2" – 3/4" – 1"
Body Material	Stainless steel
Max upstream pressure	PN25
Kvs	2.3 to 5 m³/h
Temperature range	≤ 150°C (FKM seal)
Set Pressure	Depending on model
Certification	CE



Discharge valve

Features

Size	DN15 to DN25 – (1/2", 3/4")
Body Material	Stainless steel
Pressure Rating	PN40 – Class 150, 300
Connection	Flanged / Threaded (BSP, NPT)
Max upstream pressure	PN100
Kvs	2 m³/h
Temperature range	≤ 150°C (FKM seal)
Set Pressure	Depending on model
Certification	CE



Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.4404 – 316L, 1.4409 – CF3M, 1.4408 – CF8M
Pressure Rating	PN16 – Class 150
Connection	Flanged / Threaded / Clamp
Kvs	4 to 100 m ³ /h
Set Pressure	5 to 800 mbar
Certification	CE Ex



Options

- FPM diaphragm
- Adjusted and sealed
- Rain cap
- ATEX, Material, and FDA Certification
- PVDF body on demand
- Pilot-operated version (CA)
- Clean version Ra_{int} 0.8 µm / Ra_{ext} 1.6 µm
- Clean version Ra_{int} 0.4 µm / Ra_{ext} 1.2 µm
- Other connections on request

Low-Pressure Regulator



Features

Size	DN15 to DN100 – (1/2" to 4")
Body Material	1.4404 – 316L, 1.4409 – CF3M, 1.4408 – CF8M
Pressure Rating	PN16 – Class 150
Connection	Flanged / Threaded / Clamp
Kvs	0.6 to 100 m ³ /h
Set Pressure	5 to 800 mbar
Certification	CE Ex



PRL clean

Options

- FPM diaphragm
- Adjusted and sealed
- Rain cap
- ATEX, Material, and FDA Certification
- Other connections on request
- PVDF body on demand
- Pilot-operated version (CA)
- Clean version Ra_{int} 0.8 µm / Ra_{ext} 1.6 µm
- Clean version Ra_{int} 0.4 µm / Ra_{ext} 1.2 µm

Features

Size	DN15 to DN100 – (1/2", 3/4", 1")
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 40 – Class 150, 300
Connection	Flanged / Threaded
Kvs	0.5 to 110 m³/h
Differential pressure	≤ 25 bar
Setpoint	0°C to 200°C
Temperature	≤ 350°C (200°C in ATEX zone)
Certification	CE Ex



Two different types of thermostatic valves:

- TR203 R → Cooling
- TR203 RE → Cooling/Balanced
- TR203 C → Heating
- TR203 CE → Heating/Balanced

3-way temperature regulator

Type NTR207

Features



Size	DN15 to DN100
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN16, 25, 40
Connection	Flanged
Kvs	8 to 102 m³/h
Differential pressure	≤ 10.2 bar
Setpoint	0°C to 200°C
Temperature	≤ 350°C
Function	Mixing (Y) or Diverting (Z)
Certification	CE Ex

Temperature regulator options – TR and NTR types

- Brass thermowell
- Stainless steel thermowell
- Handwheel
- Thermostat with separate adjustment (NTP200 – NTP202)
- All-stainless-steel thermostat (NTP200 – NTP202)



Features

Diaphragm surface	95 to 400 cm ²
Design	Po: Stem extends on air failure Ps: Stem retracts on air failure Pos: Double acting
Max force	2 200 daN
Stroke	≤ 63 mm
Temperature	-30°C to 90°C
Certification	CE Ex IECEx



Options

- Handwheel
- Stainless steel design
- Stroke limiter
- Accessory mounting on pillars
- ISO 5210/5211 mounting flange

Features

Diaphragm surface	800 to 1 730 cm ²
Design	Po: Stem extends on air failure Ps: Stem retracts on air failure Pos: Double acting
Max force	8 000 daN
Stroke	≤ 136 mm
Temperature	-30°C to 90°C
Certification	CE Ex IECEx



Options

- Handwheel
- Stainless steel design
- Stroke limiter
- Accessory mounting on pillars
- ISO 5210/5211 mounting flange



Features

Diaphragm surface	2X 1 730 cm ²
Design	Po: Stem extends on air failure Ps: Stem retracts on air failure
Max force	24 000 daN
Stroke	≤ 125 mm
Temperature	-30°C to 90°C
Certification	CE Ex IECEx



Options

- Handwheel
- Stainless steel design
- Stroke limiter
- Accessory mounting on pillars
- ISO 5210/5211 mounting flange

Pneumatic actuator for rotary valve

Features

Diaphragm surface	95 to 800 cm ²
Design	CW: Clockwise rotation on air failure CCW: Counterclockwise rotation on air failure
Force	1 200 N.m
Stroke	≤ 85°
Temperature	-30°C to 90°C
Certification	CE Ex

Options

- Handwheel
- ISO 5210/5211 mounting flange

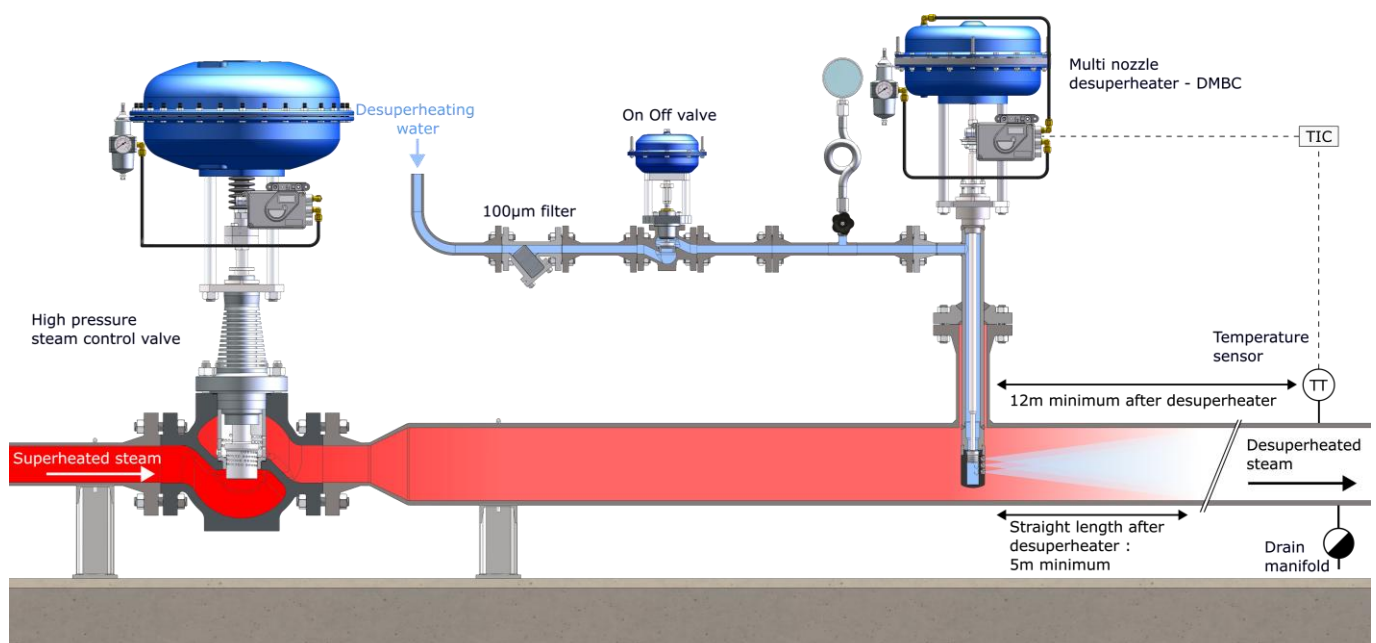


Features

Body Material	1.7383 – A182 F22, 1.0352 – A105
Technology	Insertion type / Uncoverable nozzles
Pressure Rating	PN250 – Class 1500
Steam flange	DN80
Water flange	DN25/DN40
Temperature	≤ 570°C
Pressure	≤ 150 bar
Turndown ratio	Up to 33:1
Accuracy	+/- 1.5%
Certification	CE Ex



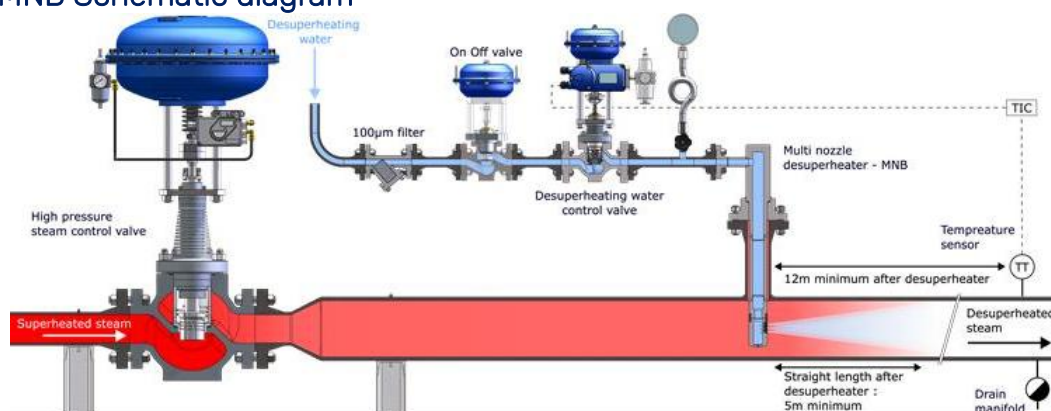
DMBC Schematic diagram



Features

	MNB	MNBX
Body Material	1.7383 – A182 F22, 1.0352 – A105	1.4404
Technology	Insertion type / Fixed nozzles	Single nozzle
Pressure Rating	PN250 – Class 1500	PN100 – Class900
Steam flange	DN80	DN40
Water flange	DN25/DN40	DN15/DN25
Temperature	≤ 570°C	450°C
Pressure	≤ 150 bar	100 bar
Certification	CE Ex	CE Ex

MNB Schematic diagram



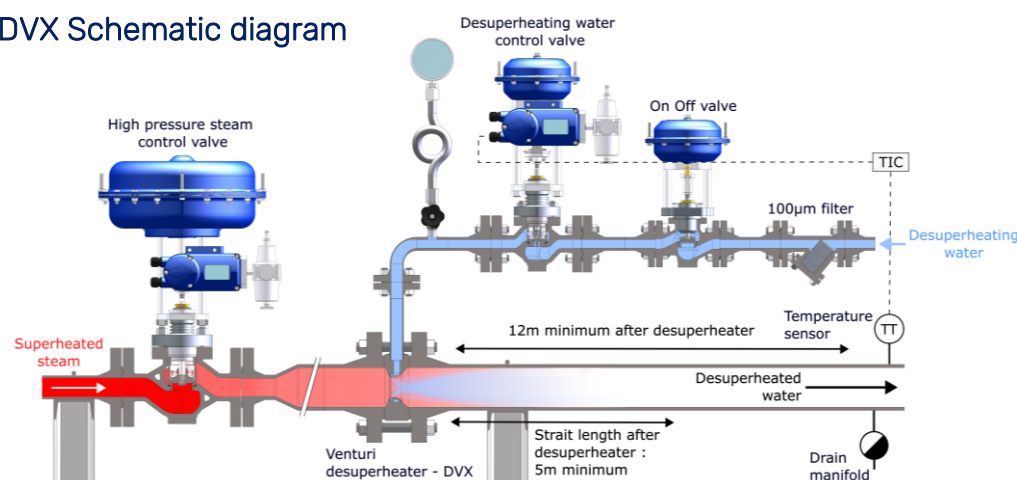
MNB

Desuperheater

Features

Size	DN40 to DN100
Body Material	1.4404 – A182 F316L
Pressure Rating	PN250 – Class 1500
Water flange	DN15/DN25
Technology	Venturi
Accuracy	+/- 1,5%
Certification	CE Ex

DVX Schematic diagram



Features

Size	DN15 to DN25 – (1/2", 3/4", 1")
Body Material	5.3106 – GJS 400-15
Pressure Rating	PN16
Connection	Flanged / Threaded (BSP, NPT)
Pressure	4.5/10/14 bar
Operating temperature	250°C



Float trap

Features



Size	DN25 to DN50
Body Material	5.3106 – GJS 400-15
Pressure Rating	PN16
Connection	Flanged
Pressure	4.5/10/14 bar
Operating temperature	250°C
Installation	Horizontal (Vertical in option – FTE43V)

Float trap

Features

Size	DN15 to DN50
Body Material	A216 WCB
Pressure Rating	PN40
Connection	Flanged
Pressure	4.5/10/14/21/32 bar
Operating temperature	250°C
Installation	Horizontal (Vertical in option)



Features

Size	DN40/50 – (1½" to 2")
Body Material	A105 / 316
Pressure Rating	PN40 to 100 – Class 150, 300, 600
Body Rating	Class 600
Connection	Flanged / Threaded / Welded (SW)
PMO	Depending on mechanism
Built-in functions	Strainer, non-return valve
Certification	CE Ex



- GMA 405/505: 5 bar
- GMA 414/514: 14 bar
- GMA 425/525: 25 bar
- GMA 440/540: 40 bar
- GMA 450/550: 50 bar

Thermobimetallic steam trap

Features

Size	1/2", 3/4", 1"
Body Material	A105 / A182 F22
Pressure Rating	PN160 – Class 1500
Connection	Flanged / Welded (SW Cl. 9000, BW Sch 160)
Built-in functions	Strainer, non-return valve
Certification	CE Ex



- BTHP 80: 20 to 80 bar
- BTHP 100: 20 to 100 bar
- BTHP 150: 20 to 150 bar
- BTHP 210: 20 to 210 bar

Membrane thermostatic steam trap

Features

Size	DN15 to DN25 – (1/2" to 3/4")
Body Material	1.0619 – A216 WCB/WCC, 1.4408 – A351 CF8M
Pressure Rating	PN40 – Class 150, 300
Body Rating	Class 600
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW)
PMA / TMA	32 bar / 300°C
PMO / TMO	22 bar / 200°C
Certification	CE Ex



Type BTX12 & BTX21

Features

Size	DN20, 25 – (3/4" to 1")
Body Material	Steel / Stainless steel
Cartridge material	Stainless steel 316L
Pressure Rating	PN40 – Class 150, 300
Body Rating	Class 600
Connection	Flanged / Threaded / Welded (SW Cl. 3000)
PMO / TMO	Depending on mechanism / 400°C
Built-in functions	Strainer, non-return valve
Certification	CE Ex



- PMO BTX12: 12 bar
- PMO BTX21: 21 bar

Thermobimetallic steam trap

Type BTX32

Features

Size	DN15 to DN25 – (1/2" to 3/4")
Body Material	1.0619 – A216 WCB/WCC, 1.4408 – A351 CF8M
Cartridge material	Stainless steel 316L
Pressure Rating	PN40 – Class 150 to 300
Body Rating	Class 600
Connection	Flanged / Threaded / Welded (SW Cl. 3000)
PMO / TMO	32 bar / 400°C
Built-in functions	Strainer, non-return valve
Certification	CE Ex



Thermobimetallic steam trap

Type BTX40

Features

Size	DN15, 20, 25 – (1/2" to 3/4")
Body Material	1.0619 – A216 WCB/WCC, 1.4408 – A351 CF8M
Cartridge material	Stainless steel 316L
Pressure Rating	PN100 – Class 600
Body Rating	Class 600
Connection	Flanged / Threaded / Welded (SW Cl. 3000)
PMO / TMO	20 to 40 bar / 450°C
Built-in functions	Strainer, non-return valve
Certification	CE Ex



Features

Cartridge material	Stainless steel 316L
PMO	32 bar
TMO	400°C
Design pressure	82 bar
Built-in functions	Strainer, non-return valve
Certification	CE

Installation on universal connector



Thermobimetallic steam trap

Features



Size	3/8", 1/4", 1/2"
Body Material	Stainless steel 316L
Connection	Threaded (BSP, NPT) / Welded (SW)
PMO	0.15 to 17 bar
TMO	300°C
Certification	CE

Steam / condensate manifold

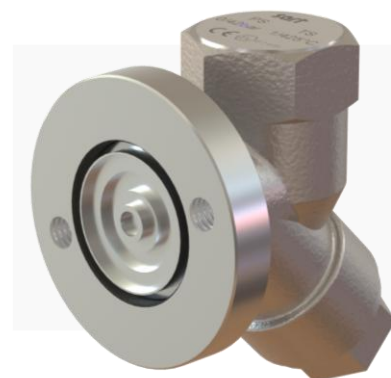
Features

Top connection	1"1/2
Bottom connection	1/2"
Body Material	P245GH – A105N
Connection	Flanged / Welded (SW)
Outlet connection	Threaded (BSP, NPT) (1/2", 3/4")
Operating conditions	≤ 21 bar / 400°C
Installation	Vertical
Model	4, 8 or 12 heads
Certification	CE



Features

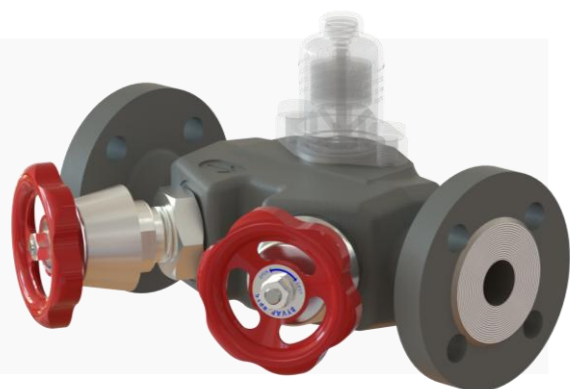
Body Material	420F
Cover Material	416
Pressure Rating	PN63
PMA / TMA	63 bar / 425°C
PMO / TMO	32 bar / 400°C
Installation	Horizontal
Certification	CE



Installation on universal connector

Compact steam trap station

Features



Size	DN15, 20– (1/2", 3/4")
Body Material	P245GH – A105N, A182 F304L
Pressure Rating	PN20, 40, 50 – Class 150, 300
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000)
PMA / TMA	32 bar / 400°C
Certification	CE

- PPCB1: 1 valve for a BTX32 steam trap
- PPCB2: 2 valves for a BTX32 steam trap

Compact steam trap station with universal connector

Features

Size	DN15, 20– (1/2", 3/4")
Body Material	P245GH – A105N, A182 F304L
Pressure Rating	PN20, 40, 50 – Class 150, 300
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000)
PMA / TMA	32 bar / 400°C
Certification	CE



- PPCU1: 1 valve for a USBT, UBTD, or UBTX32 steam trap
- PPCU2: 2 valves for a USBT, UBTD, or UBTX32 steam trap

Features

Size	1/2", 3/4"
Body Material	Stainless steel 304
Pressure Rating	PN20, 40, 50, 100
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000)
PMA / TMA	28 bar / 425°C
PMO / TMO	Depending on the seat / 400°C



Inverted bucket steam trap

Features



Size	1/2", 3/4", 1"
Body Material	Stainless steel 304
Pressure Rating	PN20, 40, 50
Connection	Flanged / Threaded (NPT) / Welded (SW Cl. 3000)
PMA / TMA	28 bar / 425°C
PMO / TMO	Depending on the seat / 400°C

Installation on universal connector

Inverted bucket steam trap

Features

Size	1/2", 3/4", 1"
Body Material	Stainless steel 304
Pressure Rating	PN20, 40, 50, 100
Connection	Flanged / Threaded (BSP, NPT) / Welded (SW Cl. 3000)
PMA / TMA	28 bar / 425°C
PMO / TMO	Depending on the seat / 400°C



Features

Size	Inlet DN40 – Outlet DN25
Body and cover Material	5.3105 – GJS 400-18 Option: 1.0619 / 1.4408
Pressure Rating	PN16 (other on request)
Connection	Flanged
Motor fluid	1/2" (BSP)
Exhaust	3/4" (BSP)
PMA / TMA	16 bar eff. to 20°C / 300°C
Pmax motor fluid supply	10 bar eff.
Tmax operating	200°C
Max steam trap capacity	18 000 kg/h to 10 bar
Max pumping capacity	2 000 kg/h
Volume pumped per cycle	8 L
Motor fluid	Saturated steam, compressed air, nitrogen
Pumped fluid	Condensate (for others, please consult)
Head height	Mini 0.6 m – Max 1.3 m
Certification	CE Ex



Automatic Pump

Type SARTLIFT 11

Features



Size	Inlet DN40 – Outlet DN25
Body and cover Material	5.3105 – GJS 400-18 Option: 1.0619 / 1.4408
Pressure Rating	PN16 (other on request)
Connection	Flanged
Motor fluid	1/2" (BSP)
Exhaust	3/4" (BSP)
PMA / TMA	16 bar eff. to 20°C / 300°C
Pmax motor fluid supply	10 bar eff.
Tmax operating	200°C
Max pumping capacity	2 500 kg/h
Volume pumped per cycle	11 L
Motor fluid	Saturated steam, compressed air, nitrogen
Pumped fluid	Condensate (for others, please consult)
Head height	Mini 0.6 m – Max 1.3 m
Certification	CE Ex



Features

Size	DN25 to DN50
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.7357 – A217 WC6
Pressure Rating	PN40, 63, 100 Class 150, 300, 600
Connection	Flanged
Kvs	6.5 to 16 m³/h
Plug	TOR with Stellite seat
Packing	PTFE/ Carbon Standard low emission packing
Technology	Cage / Clamped seat
TMA	-19°C to 250°C
Certification	CE Ex



Boiler feedwater control valve

Features



Size	DN25 to DN50 for water supply 3/4" and 1" or DN25 to DN50 for recirculation
Body Material	1.0619 – A216 WCB/WCC, 1.6220 – A352 LCB, 1.4408 – A351 CF8M
Pressure Rating	PN40 – Class 150, 300
Connection	Flanged / Threaded (BSP)
Kvs	1.1 to 25 m³/h for water supply 0.1 to 5 m³/h for recirculation
Certification	CE

Electric actuators

AUMA type SBA45/80 – SBE60

Options

Pneumatic actuator type PA/MA



Features

Size	DN15 to DN40 – (1/2", 3/4", 1", 1 1/2")
Body Material	1.0619 – A216 WCB/WCC
Pressure Rating	PN16 to 40 – Class 150, 300
Connection	Flanged / Threaded (BSP, NPT)
Kvs	0.63 m³/h
Temperature range	-19°C to 250°C
Packing	PTFE/ Carbon Standard low emission packing
Certification	CE Ex

Options

- Sampling valve
- 3/8" with ERMETO-type fitting, 8 mm outer diameter
- Electric actuator – HDVE version



HDVE

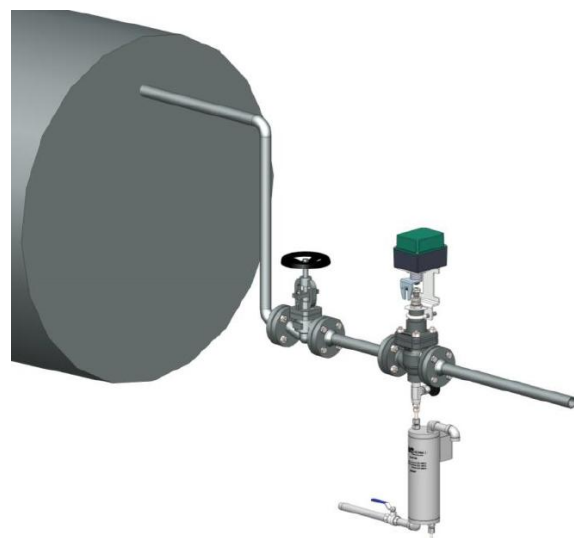
HDV

Sampler cooler

Features

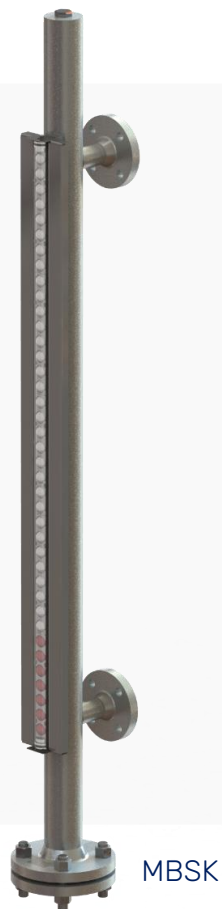
Sample connection	6/8 Stainless steel tube
Body / coil material	304L / 316L
Cold water connection	1/2" BSP
Max coil pressure / temperature	100 bar / 400°C
Max shell pressure / temperature	44 bar / 100°C 32 bar / 240°C
Installation	Vertical
Certification	CE

Installation



Options

- 1/4" sampling valve and 1/2" cold water supply valve



MBSK

MBSK features

Size	DN25
Body Material	Stainless steel 316L
Pressure Rating	PN16, 40
Connection	Flanged
Temperature range	Up to 300°C
Body pressure	≤ 32 bar
Accuracy	1 cm
Technology	Magnetic float
Certification	CE Ex

Options

- Thermal insulation
- Heating jacket
- Micro-switch contact, Type KEM 2007
- Resistive level transmitter type TNKB # 1 mm
- Magnetostrictive level transmitter type TORRIX # 0.25 mm
- Other connections on request
- Length on request



Level transmitters

Level transmitters features

Std temperature range	-40°C to 125°C	-50°C to 100°C
High-temperature range	-200°C to 250°C	-50°C to 350°C
Accuracy	±0.5 mm	0.15%
Resolution	<0.1 mm	5.5 mm



Features

Body Material	Aluminum housing
Adjustment range	0 to 8 bar
Max inlet pressure	10 bar
Temperature range	-30°C to 70°C
Strainer rating	30 µm
Strainer material	Sintered bronze
Certification	CE Ex

Options

- FRS03: 316 stainless steel housing
- FRS04: for high flow
- FRS05: for high flow and 316 stainless steel housing



2-way HP Strainer

Features



Size	DN25 to DN150
Body Material	A105N, 1.0619 – A216 WCB/WCC, 1.6220/A352LCB, 1.7357/A217 WC6, 1.7379 – A217 WC9, 1.4404, 1.4408 – A351 CF8M, 1.6982
Pressure Rating	PN63, 100, 160, 250 Class 600, 900, 1500
Connection	Flanged / Welded (SW, BW)
Differential pressure	≤ 100 bar
Technology	Mechanical filter 100 µm
Certification	CE Ex

Vacuum breaker

Features

Size	Inlet 1/2" ; Outlet 1/8"
Body Material	Stainless steel 304
Temperature	250°C
Connection	Threaded (BSP)
Pressure	≤ 21 bar
Certification	CE



Features

Body	Vestamid® (PA6) Opaque black
Cover	Vestamid® (PA6) Opaque black
Cover gasket	Neoprene
Temperature range	-20°C to 125°C
Packing	Polyamide M20 for cable Ø6 to 12 mm
Protection rating	IP65
Microswitch	Crouzet 831611 I W2 (changeover) 16 A – 250 VAC
Certification	CE



ATEX limit switch module

Features

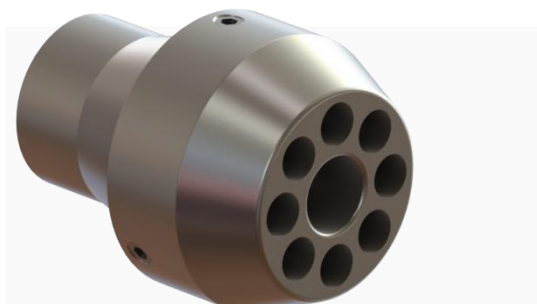
Body	Vestamid® (PA6) Opaque black
Cover	Vestamid® (PA6) Opaque black
Cover gasket	Neoprene
Temperature range	-20°C to 70°C
Packing	Polyamide M20 for cable Ø6 to 12 mm
Protection rating	IP65
Inductive proximity sensors	PEPPERL & FUCHS NJ2-12GK-N
Classification	II 2 G
Marking	II 2 G Ex ia IIC T6...T4 Gb
Certification	CE Ex



Steam injector

Features

Body Material	Stainless steel 316L
Pressure Rating	PN25
Connection	1/2", 1", 1 1/2" (BSP)
Differential pressure min	0,5 bar
PMA	17 bar
Installation	Horizontal
Certification	CE

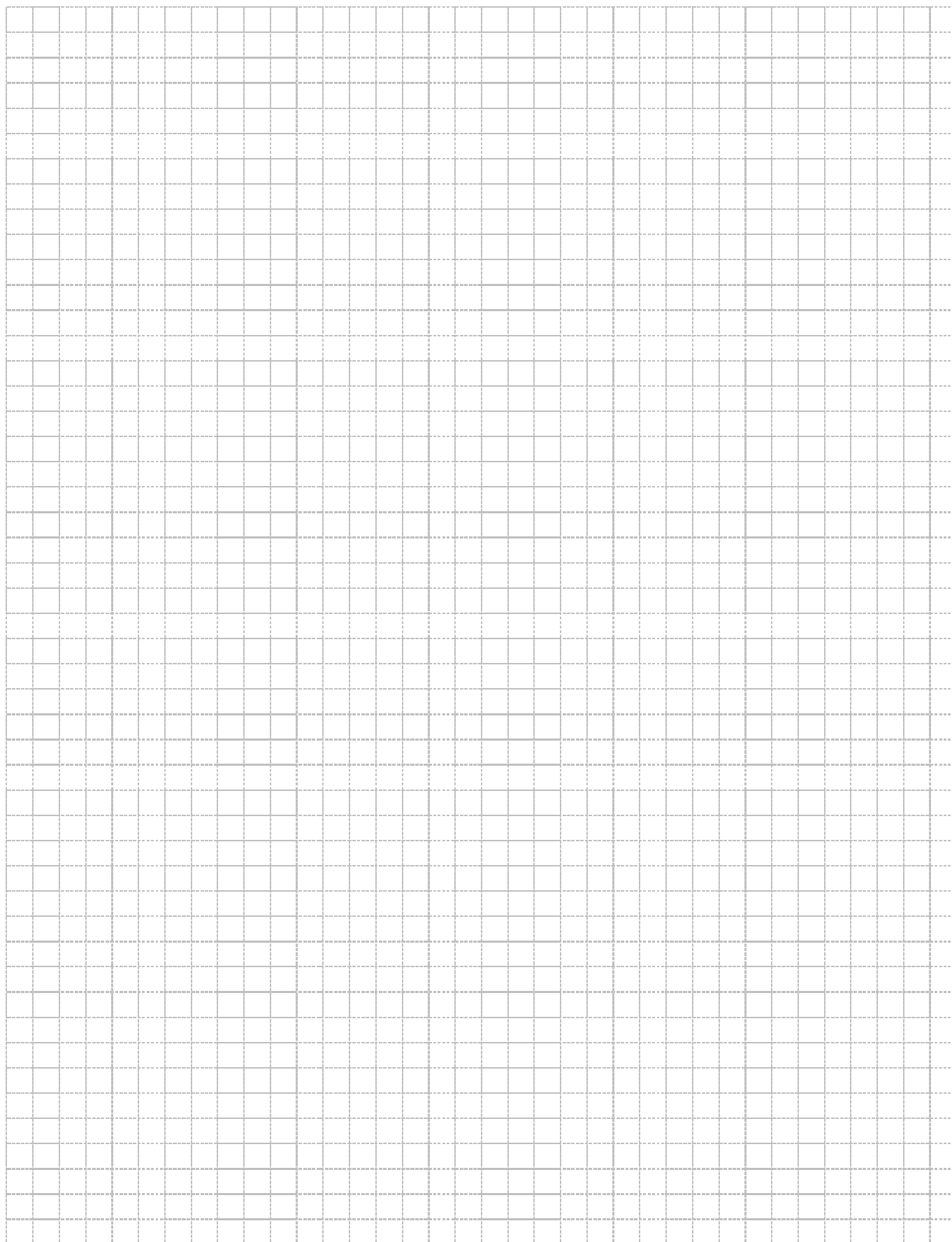


- BI 15: DN1/2"
- BI 25: DN1"
- BI 40: DN1 1/2"

Pressure (barg)	Velocity (m/s)	Steam capacity (kg/h)													
		Line size (DN)													
		15	20	25	32	40	50	65	80	100	125	150	200	250	300
0.4	15	7	14	24	37	52	99	145	213	394	648	917	1.606	2.590	3.678
	20	10	25	40	62	92	162	265	384	675	972	1.457	2.806	4.101	5.936
	25	17	35	64	102	142	265	403	576	1.037	160	2.303	4.318	6.909	9.500
0.7	15	7	16	25	40	59	109	166	250	431	680	1.006	1.708	2.791	3.852
	20	12	25	45	72	100	182	287	430	716	1.145	1.575	2.816	4.629	6.204
	25	18	37	68	106	16	298	428	630	1.108	1.712	2.417	4.532	7.251	10.323
1.0	15	8	17	29	43	65	112	182	260	470	694	1.020	1.864	2.814	4.045
	20	12	26	48	72	100	193	300	445	730	1.160	1.660	3.099	4.869	6.751
	25	19	39	71	112	172	311	465	640	1.150	1.800	2.500	4.815	7.333	10.370
2.0	15	12	25	45	70	100	182	280	410	715	1.125	1.580	2.814	4.545	6.277
	20	19	43	70	112	162	295	428	656	1.215	1.755	2.520	4.815	7.425	10.575
	25	30	64	115	178	275	475	745	1.010	1.895	2.925	4.175	7.678	11.997	16.796
3.0	15	16	37	60	93	127	245	385	535	925	1.505	2.040	3.983	621	8.743
	20	26	56	100	152	225	425	632	910	1.580	2.480	3.440	6.779	10.269	14.316
	25	41	87	157	250	357	595	1.025	1.460	2.540	4.050	5.940	10.476	16.470	22.950
4.0	15	19	42	70	108	156	281	432	635	1.166	1.685	2.460	4.618	7.121	10.358
	20	30	63	115	180	270	450	742	1.080	1.980	2.925	4.225	7.866	12.225	17.304
	25	49	116	197	295	456	796	1.247	1.825	3.120	4.940	7.050	12.661	19.663	27.816
5.0	15	22	49	87	128	187	352	526	770	1.295	2.105	2.835	554	8.586	11.947
	20	36	81	135	211	308	548	885	1.265	2.110	3.540	5.150	8.865	14.268	20.051
	25	59	131	225	338	495	855	1.350	1.890	3.510	5.400	7.870	13.761	23.205	32.244
6.0	15	26	59	105	153	225	425	632	925	1.555	2.525	3.400	6.654	10.297	14.328
	20	43	97	162	253	370	658	1.065	1.520	2.530	4.250	6.175	10.629	17.108	24.042
	25	71	157	270	405	595	1.025	1.620	2.270	4.210	6.475	9.445	16.515	27.849	38.697
8.0	15	32	70	126	190	285	475	800	1.125	1.990	3.025	4.540	8.042	12.625	17.728
	20	54	122	205	320	465	810	1.260	1.870	3.240	5.220	7.120	13.140	21.600	33.210
	25	84	192	327	510	730	1.370	2.065	3.120	5.135	8.395	12.470	21.247	33.669	46.858
10.0	15	41	95	155	250	372	626	1.012	1.465	2.495	3.995	5.860	9.994	16.172	22.713
	20	66	145	257	405	562	990	1.530	2.205	3.824	6.295	8.995	15.966	25.860	35.980
	25	104	216	408	615	910	1.635	2.545	3.600	6.230	9.880	14.390	26.621	41.011	57.560
14.0	15	50	121	205	310	465	810	1.270	180	3.220	5.215	7.390	12.921	20.538	29.016
	20	85	195	331	520	740	1.375	2.080	3.120	5.200	8.500	12.560	21.720	35.139	47.128
	25	126	305	555	825	1.210	2.195	3.425	4.735	8.510	13.050	18.630	35.548	54.883	76.534

Pressure		Temperature	Enthalpie			Steam	
			Water (H _{Water})	Vaporization (ΔH _{vap})	Saturation (H _{sat})	Density	Specific volume
barg	bara	°C	kJ/kg	kJ/kg	kJ/kg	kg/m ³	m ³ /kg
-0.9	0.1	45.81	191.81	2392.09	2583.9	0.068	14.67
-0.8	0.2	60.06	251.42	2357.48	2608.9	0.131	7.65
-0.7	0.3	69.1	289.27	2335.23	2624.5	0.191	5.23
-0.6	0.4	75.86	317.62	2318.48	2636.1	0.25	3.99
-0.5	0.5	81.32	340.54	2304.66	2645.2	0.309	3.24
-0.4	0.6	85.93	359.91	2292.99	2652.9	0.366	2.73
-0.3	0.7	89.93	376.75	2282.65	2659.4	0.423	2.36
-0.2	0.8	93.49	391.71	2273.49	2665.2	0.479	2.09
-0.1	0.9	96.69	405.2	2265.1	2670.3	0.535	1.87
0	1	99.61	417.5	2257.4	2674.9	0.59	1.69
0.2	1.2	104.78	439.36	2243.74	2683.1	0.7	1.43
0.4	1.4	109.29	458.42	2231.58	2690	0.809	1.24
0.6	1.6	113.3	475.38	2220.62	2696	0.916	1.09
0.8	1.8	116.91	490.7	2210.7	2701.4	1.02	0.98
1	2	120.21	504.7	2201.5	2706.2	1.13	0.89
1.5	2.5	127.41	535.34	2181.16	2716.5	1.39	0.72
2	3	133.52	561.43	2163.47	2724.9	1.65	0.61
2.5	3.5	138.86	584.26	2147.74	2732	1.91	0.52
3	4	143.61	604.65	2133.45	2738.1	2.16	0.46
3.5	4.5	147.9	623.14	2120.26	2743.4	2.42	0.414
4	5	151.83	640.09	2108.01	2748.1	2.67	0.375
5	6	158.83	670.38	2085.72	2756.1	3.17	0.316
6	7	164.95	697	2065.8	2762.8	3.67	0.273
7	8	170.41	720.86	2047.44	2768.3	4.16	0.24
8	9	175.35	742.56	2030.44	2773	4.65	0.215
9	10	179.88	762.52	2014.58	2777.1	5.15	0.194
10	11	184.06	781.03	1999.57	2780.6	5.64	0.177
11	12	187.96	798.33	1985.37	2783.7	6.13	0.163
12	13	191.6	814.6	1971.9	2786.5	6.61	0.151
13	14	195.04	829.97	1958.83	2788.8	7.1	0.141
14	15	198.29	844.56	1946.44	2791	7.59	0.132
15	16	201.37	858.46	1934.34	2792.8	8.08	0.124
16	17	204.31	871.74	1922.76	2794.5	8.57	0.117
17	18	207.11	884.47	1911.43	2795.9	9.06	0.11
18	19	209.8	896.71	1900.49	2797.2	9.55	0.105
19	20	212.38	908.5	1889.8	2798.3	10.04	0.1
20	21	214.86	919.87	1879.43	2799.3	10.53	0.095
21	22	217.25	930.87	1869.23	2800.1	11.03	0.091
22	23	219.56	941.53	1859.27	2800.8	11.52	0.087
23	24	221.79	951.87	1849.53	2801.4	12.01	0.083
24	25	223.95	961.91	1839.99	2801.9	12.51	0.08
25	26	226.05	971.67	1830.63	2802.3	13	0.077

Pressure		Temperature	Enthalpie			Steam	
barg	bara	°C	Water (H _{Water})	Vaporization (ΔH _{vap})	Saturation (H _{sat})	Density	Specific volume
			kJ/kg	kJ/kg	kJ/kg	kg/m ³	m ³ /kg
26	27	228.08	981.18	1821.52	2802.7	13.5	0.074
27	28	230.06	990.46	1812.44	2802.9	14	0.071
28	29	231.98	999.51	1803.59	2803.1	14.5	0.069
29	30	233.85	1008.3	1794.9	2803.2	15	0.067
30	31	235.68	1017	1786.2	2803.2	15.5	0.065
31	32	237.46	1025.4	1777.7	2803.1	16.01	0.062
32	33	239.2	1033.7	1769.3	2803	16.51	0.061
33	34	240.9	1041.8	1761.1	2802.9	17.02	0.059
34	35	242.56	1049.8	1752.8	2802.6	17.53	0.057
35	36	244.18	1057.6	1744.8	2802.4	18.04	0.055
36	37	245.77	1065.3	1736.8	2802.1	18.55	0.054
37	38	247.33	1072.8	1728.9	2801.7	19.06	0.052
38	39	248.86	1080.2	1721.1	2801.3	19.57	0.051
39	40	250.35	1087.5	1713.3	2800.8	20.09	0.05
40	41	251.82	1094.7	1705.6	2800.3	20.61	0.049
41	42	253.26	1101.7	1698.1	2799.8	21.13	0.047
42	43	254.68	1108.7	1690.5	2799.2	21.65	0.046
43	44	256.07	1115.5	1683.1	2798.6	22.17	0.045
44	45	257.44	1122.2	1675.7	2797.9	22.7	0.044
45	46	258.78	1128.9	1668.4	2797.3	23.22	0.043
46	47	260.1	1135.5	1661	2796.5	23.75	0.042
47	48	261.4	1141.9	1653.9	2795.8	24.28	0.041
48	49	262.68	1148.3	1646.7	2795	24.82	0.04
49	50	263.94	1154.6	1639.6	2794.2	25.35	0.039
59	60	275.58	1213.9	1570.7	2784.6	30.82	0.032
69	70	285.83	1267.7	1504.9	2772.6	36.53	0.027
79	80	295.01	1317.3	1441.4	2758.7	42.51	0.024
89	90	303.34	1363.9	1379	2742.9	48.8	0.02
99	100	311	1408.1	1317.4	2725.5	55.46	0.018
109	110	318.08	1450.4	1255.9	2706.3	62.54	0.016
119	120	324.68	1491.5	1193.9	2685.4	70.11	0.0143
129	130	330.85	1531.5	1131.2	2662.7	78.25	0.0128
139	140	336.67	1571	1066.9	2637.9	87.07	0.0115
149	150	342.16	1610.2	1000.5	2610.7	96.73	0.0103
159	160	347.35	1649.7	931.1	2580.8	107.42	0.0093
169	170	352.29	1690	857.5	2547.5	119.46	0.0084
179	180	356.99	1732.1	777.7	2509.8	133.3	0.0075
189	190	361.47	1777.2	688.8	2466	149.76	0.0067
199	200	365.75	1827.2	585.1	2412.3	170.5	0.0059
209	210	369.83	1887.6	451	2338.6	200.16	0.005
219	220	373.71	2011.3	161.8	2173.1	274.16	0.0036
219.64	220.64	273.95	2084	0.3	2084.3	322	0.0031





Headquarters and factory in France

SART von Rohr SAS
25, rue de la Chapelle
68620 BITSCHWILLER LES THANN
France

Tel: +33 3 89 37 79 50
Fax: +33 3 89 37 79 51
E-mail: sartventes@sart-von-rohr.fr

E.T.M Co. contact information:
Web: www.sart-von-rohr.ir
E-mail: info@sart-von-rohr.ir

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