

# manufactured products



**SEVEROČESKÁ ARMATURKA, a. s.**  
Ústí nad Labem



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## Aim

The company's Severočeská armaturka, a. s. main aim is understood as the opportunity to be long lasting and reliable partner for the customers, meeting their demands in the branches of water, gases and other fluids distribution and control. The company deals namely with industrial valves and connected products manufacturing and sales, taking into account advantage of both, the own long tradition and experience.

Production and selling assortment consists of:

- Globe and Check Valves
- Flow Control and Pressure Reducing Valves
- Butterfly Valves
- Spring Loaded Safety Valves
- Heating Gas Distribution and Control Valves
- Various Special Valves
- Gas Pressure Reducing Stations, Heat Exchanging and Mixing Stations
- Cast and Ductile Iron Castings
- Cast Steel Castings

The Customers requirements are the basic definition of all services and quality system and the company strategy is based on that philosophy. The main aim of this quality system is to supply to the customer only the goods and services that are in accordance with the purpose of their usage, technical standards, other rules and customer requirements.

Severočeská armaturka, a. s. company has introduced into operation the Certified system of quality control **ISO 9001** in the year 1994, that was granted by the certification body RW TÜV ESSEN and from the year 1998 it has got the **Lloyd's Register** certification for castings, made of cast steel and cast iron.





## From a History

The company Severočeská armaturka, a. s. was founded in 1899 at Ústí nad Labem as a branch company of the German Valve Company Schäffer and Budenberg from Magdeburg. At the beginning it was only assembling valves and measuring equipments from parts, that had been manufactured in Germany. Later after continuing construction of other workshops the company became a manufacturer of independent assortment, intended for food and chemical industry.

After the year 1945 it was renamed to national enterprise, Severočeská armaturka Ústí nad Labem. In 1958, the enterprise became a member of the national association - the Czechoslovak Valve Industry, with the seat in Prague.

Then in the year 1966 the company was incorporated into the concern VHJ Sigma, "Pumps and Valve Equipment Works" with the headquarters seat at Olomouc. By the 31st December 1990 the factory became independent share holders company.

In these days the company is fully privatised . Production assortment of the company Severočeská armaturka is successfully placed namely in the branches of water, energy and heating gas supplies and distribution nets, in chemical and petrochemical industry, irrigation systems, etc.



# Globe and Check Valves, Swing Check Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection			Design					
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>GLOBE VALVES</b>																		
V30 111 616	16	15÷200	300	●						●			●		●	●	●	●
V30 111 540	40	15÷200	400		●					●			●	●	●	●	●	●
V30 111 240	40	15÷200	550			●				●			●		●	●	●	●
V30 111 040	40	15÷200	250						●	●			●		●	●	●	●
V30 111 263 (363)	63	15÷200	530			●				●			●		●	●	●	●
V30 111 2100 (3100)	100	15÷200	530			●				●			●		●	●	●	●
V30 111 2160 (3160)	160	15÷200	550			●				●			●		●	●	●	●
V30 111 563 (463)	63	15÷200	400		●					●			●		●	●	●	●
V30 111 5100 (4100)	100	15÷200	400		●					●			●		●	●	●	●
V30 111 5160 (4160)	160	15÷200	400		●					●			●		●	●	●	●
<b>GLOBE VALVES FOR SEA WATER</b>																		
V30 111 616.02	16	15÷200	42	●						●			●		●	●	●	●
V30 111 540.02	40	15÷200	42		●					●			●		●	●	●	●
<b>GLOBE VALVE FOR AMMONIA</b>																		
C43 101 540	40	15÷200	-50÷150		●					●			●	●	●	●	●	●
<b>GLOBE ANGLE VALVES</b>																		
V30 211 616	16	15÷200	300	●						●			●		●	●	●	●
V30 211 540	40	15÷200	400		●					●			●	●	●	●	●	●
<b>GLOBE VALVES WITH ELECTRIC ACTUATOR</b>																		
V30 113 616	16	15÷80	300	●						●			●		●	●	●	●
V30 113 540	40	15÷150	400		●					●			●	●	●	●	●	●
V30 113 540.01	40	15÷200	400		●					●			●		●	●	●	●
V30 113 040	40	15÷200	250						●	●			●		●	●	●	●
<b>GLOBE VALVES WITH PNEUMATIC ACTUATOR</b>																		
V30 114 616.01	16	15÷80	300	●						●			●		●	●	●	●
V30 114 540.02	40	15÷200	400		●					●			●	●	●	●	●	●
V30 114 040	40	15÷150	250						●	●			●		●	●	●	●



Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection				Design				
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>GLOBE VALVES FOR WELDING</b>																		
V30 121 540	40	15÷200	400		●							●	●	●	●	●	●	●
V30 121 263 (363)	63	15÷200	530			●	●					●	●	●	●	●	●	●
V30 121 2100 (3100)	100	15÷200	530				●					●	●	●	●	●	●	●
V30 121 2160 (3160)	160	15÷200	550				●					●	●	●	●	●	●	●
V30 121 463 (563)	63	15÷200	400		●							●	●	●	●	●	●	●
V30 121 4100 (5100)	100	15÷200	400		●							●	●	●	●	●	●	●
V30 121 4160 (5160)	160	15÷200	400		●							●	●	●	●	●	●	●
<b>BELLOWS VALVES</b>																		
V25 111 616	16	15÷200	300	●					●			●	●	●	●	●	●	●
V25 111 540	40	15÷150	400		●				●			●	●	●	●	●	●	●
V25 111 525	25	200	400		●				●			●	●	●	●	●	●	●
V25 111 040	40	15÷150	250					●	●			●	●	●	●	●	●	●
V25 111 025	25	200	250					●	●			●	●	●	●	●	●	●
V25 111 540.04	40	15÷150	400		●				●			●	●	●	●	●	●	●
V25 111 525.04	25	200	400		●				●			●	●	●	●	●	●	●
<b>BELLOWS VALVE WITH ELECTRIC ACTUATOR</b>																		
V25 113 540	40	15÷150	400		●				●			●	●	●	●	●	●	●
<b>BELLOWS VALVES WITH REGULATING CONE AND STAINLESS STEEL OR PTFE SEAT</b>																		
V25 111 540.01	40	15÷100	400		●				●			●	●	●	●	●	●	●
V25 111 540.03	40	15÷100	150		●				●			●	●	●	●	●	●	●
<b>BELLOWS VALVES WITH PTFE CONE SEAT</b>																		
V25 111 540.02	40	15÷150	150		●				●			●	●	●	●	●	●	●
V25 111 525.02	25	200	150		●				●			●	●	●	●	●	●	●
<b>DIAPHRAGM VALVE</b>																		
V69 111 910	10	25÷200	70	●					●			●	●	●	●	●	●	●
<b>DIAPHRAGM VALVE WITH PNEUMATIC ACTUATOR</b>																		
V69 114 910.01	10	25÷150	70	●					●			●	●	●	●	●	●	●
<b>SOFT SEATED VALVE WITH A BACK CLOSURE</b>																		
C09 108 616.01	16	15÷200	120	●					●			●	●	●	●	●	●	●



# Globe and Check Valves, Swing Check Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection				Design				
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>CHECK VALVES</b>																		
Z16 117 616	16	15÷200	300	●						●				●		●	●	●
Z16 117 040	40	100÷200	250						●	●				●		●	●	●
Z16 117 540	40	15÷200	400			●				●				●		●	●	●
Z16 117 263 (363)	63	15÷200	550				●			●				●		●	●	●
Z16 117 2100 (3100)	100	15÷200	550				●			●				●		●	●	●
Z16 117 2160 (3160)	160	15÷200	550				●			●				●		●	●	●
Z16 117 563 (463)	63	15÷200	400			●				●				●		●	●	●
Z16 117 5100 (4100)	100	15÷200	400			●				●				●		●	●	●
Z16 117 5160 (4160)	160	15÷200	400			●				●				●		●	●	●
Z15 117 240	40	15÷200	550				●			●				●		●	●	●
<b>CHECK VALVES FOR WELDING</b>																		
Z16 127 540	40	15÷200	400			●							●	●	●	●	●	●
Z16 127 363 (263)	63	15÷200	530				●						●	●	●	●	●	●
Z16 127 3100 (2100)	100	15÷200	530				●						●	●	●	●	●	●
Z16 127 3160 (2160)	160	15÷200	550				●						●	●	●	●	●	●
Z16 127 463 (563)	63	15÷200	400			●							●	●	●	●	●	●
Z16 127 4100 (5100)	100	15÷200	400			●							●	●	●	●	●	●
Z16 127 4160 (5160)	160	15÷200	400			●							●	●	●	●	●	●
<b>CHECK ANGLE VALVES</b>																		
Z16 217 616	16	15÷200	300	●						●				●		●	●	●
Z16 217 540	40	15÷200	400			●				●				●		●	●	●
<b>CHECK DISCO VALVES</b>																		
C08 402 716	16	15÷100	150				●			●				●		●	●	●
C09 402 040	40	15÷100	400					●		●				●		●	●	●
<b>CHECK CLOSING VALVES</b>																		
Z26 111 540	40	15÷150	400			●								●		●	●	●
Z26 111 616	16	15÷150	300	●						●				●		●	●	●
<b>SWING CHECK VALVE</b>																		
L10 117 616	16	40÷300	300	●						●				●		●	●	●
L10 117 516	16	40÷250	400			●				●				●		●	●	●
L10 117 525	25	40÷250	400			●				●				●		●	●	●
L10 117 540	40	40÷250	400			●				●				●		●	●	●



Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection			Design					
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>HAND OPERATED CONTROL VALVES</b>																		
V41 111 616.02	16	15÷150	300	●						●			●					
V41 111 540	40	15÷150	400		●					●			●	●				●
V40 111 263 (363)	63	15÷200	530			●	●			●			●	●				●
V40 111 2100 (3100)	100	15÷200	530			●	●			●			●	●				●
V40 111 2160 (3160)	160	15÷200	550			●	●			●			●	●				●
V40 111 563 (463)	63	15÷200	400		●					●			●	●				●
V40 111 5100 (4100)	100	15÷200	400		●					●			●	●				●
V40 111 5160 (4160)	160	15÷200	400		●					●			●	●				●
<b>HAND OPERATED CONTROL VALVES FOR WELDING</b>																		
V40 121 363 (263)	63	15÷200	530			●							●	●				●
V40 121 3100 (2100)	100	15÷200	530			●							●	●				●
V40 121 3160 (2160)	160	15÷200	550			●							●	●				●
V40 121 463 (563)	63	15÷200	400		●								●	●				●
V40 121 4100 (5100)	100	15÷200	400		●								●	●				●
V40 121 4160 (5160)	160	15÷200	400		●								●	●				●
<b>HAND OPERATED CONTROL VALVE FOR AMMONIA</b>																		
C43 103 540	40	15÷100	-50÷150		●					●			●	●				●
<b>CONTROL VALVES WITH ELECTRIC ACTUATOR - COLUMN DESIGN</b>																		
V41 113 616	16	15÷80	300	●									●	●				●
V41 113 540	40	15÷150	400		●					●			●	●				●
<b>CONTROL VALVES WITH ELECTRIC ACTUATOR - LANDIS AND STAEFA, HONEYWELL, SAUTER, JOHNSON CONTROLS, ZPA NOVÁ PAKA</b>																		
V42 113 616	16	25÷80	260	●									●	●				●
V42 113 540	40	25÷80	260		●								●	●				●
<b>CONTROL VALVES WITH ELECTRIC ACTUATOR - COLUMN DESIGN OF ZPA NOVÁ PAKA, SPA PRAHA, EKOREX</b>																		
V43 113 616	16	15÷80	300	●									●	●				●
V43 113 540	40	15÷80	400		●								●	●				●
<b>THREE WAY CONTROL VALVES WITH ACTUATOR - LANDIS AND STAEFA, HONEYWELL, SAUTER, JOHNSON CONTROLS, ZPA NOVÁ PAKA</b>																		
V44 413 616	16	15÷80	260	●									●	●				●
V44 413 540	40	15÷80	260		●								●	●				●
<b>CONTROL VALVES WITH ACTUATOR - LANDIS AND STAEFA, HONEYWELL, SAUTER, JOHNSON CONTROLS, ZPA NOVÁ PAKA</b>																		
V45 113 616	16	15÷80	260	●									●	●				●
V45 113 540	40	15÷80	260		●								●	●				●
<b>CONTROL VALVES WITH ACTUATOR - COLUMN DESIGN OF ZPA NOVÁ PAKA, SPA PRAHA, EKOREX</b>																		
V46 113 616	16	25÷80	260	●									●	●				●
V46 113 540	40	25÷80	260		●								●	●				●



# Butterfly Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection			Design					
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>BUTTERFLY VALVES - WAFER TYPE</b>																		
L30 171 616 - hand lever	6; 10; 16	50÷200	180	●							●			●		●	●	
L30 172 616 - hand operated gear	6; 10; 16	50÷200	180	●							●			●		●	●	
L30 173 616 - electric actuator	6; 10; 16	50÷200	180	●							●			●		●	●	
L30 174 616 - pneumatic actuator	6; 10; 16	50÷200	180	●							●			●		●	●	
L30 175 616 - for actuator	6; 10; 16	50÷200	180	●							●			●		●	●	
<b>BUTTERFLY VALVES WITH EYES</b>																		
L33 171 116 - hand lever	6; 10; 16	40÷200	180		●						●			●		●	●	
L33 172 116 - hand operated gear	6; 10; 16	40÷300	180		●						●			●		●	●	
L33 173 116 - electric actuator	6; 10; 16	40÷300	180		●						●			●		●	●	
L33 174 116 - pneumatic actuator	6; 10; 16	40÷300	180		●						●			●		●	●	
L33 175 116 - for actuator	6; 10; 16	40÷300	180		●						●			●		●	●	
<b>BUTTERFLY VALVES THREADED</b>																		
L35 171 116 - hand lever	6; 10; 16	50÷200	180		●						●			●		●	●	
L35 172 116 - hand operated gear	6; 10; 16	50÷300	180		●						●			●		●	●	
L35 173 116 - electric actuator	6; 10; 16	50÷300	180		●						●			●		●	●	
L35 174 116 - pneumatic actuator	6; 10; 16	50÷300	180		●						●			●		●	●	
L35 175 116 - for actuator	6; 10; 16	50÷300	180		●						●			●		●	●	



# Spring Loaded Safety Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection			Design					
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>LOW LIFT SAFETY VALVE, OPEN DESIGN</b>																		
P12 217 040	40	25;50;80;100	300							●	●			●				●
<b>LOW LIFT SAFETY VALVES FLANGE (PIN), GAS-PROOF DESIGN</b>																		
P14 287 5100	100	15	300			●						●		●	●			●
P14 287 5250	250	15	300			●						●		●	●			●
P14 217 5250	250	15; 25; 40	300			●						●		●	●			●
P14 217 5400	400	10; 15; 25	200			●						●		●	●			●
<b>NORMAL SAFETY VALVES, OPEN DESIGN</b>																		
P15 217 616	16	25÷100	200	●								●		●				●
P15 217 540	40	25÷125	300			●						●		●	●			●
<b>PROPORTIONAL SAFETY VALVES, GAS-PROOF DESIGN</b>																		
P24 217 616	16	25÷100	200	●								●		●	●			●
P24 217 540	40	25÷100	300			●						●		●	●			●
<b>NORMAL SAFETY VALVES, GAS-PROOF DESIGN</b>																		
P26 217 616	16	25÷100	200	●								●		●	●			●
P26 217 540	40	25÷100	300		●							●		●	●			●
<b>FULL-LIFT SAFETY VALVES, OPEN DESIGN</b>																		
P51 217 540	40	25÷150	400			●						●		●	●			●
P51 217 525	25	200	400			●						●		●	●			●
P51 217 5100	100	25÷100	400			●						●		●	●			●
P51 217 240	40	25÷150	550				●					●		●	●			●
P51 217 225	25	200	550				●					●		●	●			●
P51 217 2100	100	25÷100	550				●					●		●	●			●
P57 217 540	40	25÷150	400			●						●		●	●			●
P57 217 5100	100	25÷80	400			●						●		●	●			●
<b>FULL-LIFT SAFETY VALVES, GAS-PROOF DESIGN</b>																		
P52 217 540	40	25÷150	400			●						●		●	●			●
P52 217 525	25	200	400			●						●		●	●			●
P52 217 5100	100	25÷100	400			●						●		●	●			●
P52 217 040	40	25	-196÷+300				●					●		●	●			●
P52 287 040	40	25	-196÷+300				●					●		●	●			●
P58 217 540	40	25÷150	300			●						●		●	●			●
P58 217 5100	100	25÷80	300			●						●		●	●			●
<b>NORMAL SAFETY VALVE, GAS-PROOF DESIGN</b>																		
P54 217 540	40	25÷100	200			●						●		●	●			●
<b>AERATING SPRING LOADED VALVE, PIN DESIGN</b>																		
P80 147 516	16	50	300			●						●		●	●			●



# Gas Distribution Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection				Design				
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>PRESSURE REGULATORS WITH A PILOT VALVE</b>																		
C26 525 540	40	25;32;50÷150	-10÷+70			●												
C26 525 563	63	25;50÷150	-10÷+70			●												
C26 525 5100	100	80	-10÷+70			●												
RT 525 540	40	25;32;50;80	-10÷+70			●												
RT 525 563	63	25;50;80	-10÷+70			●												
C26 535 516	16	25;50÷200	-10÷+70			●												
C26 544 540	40	25	-10÷+70			●												
<b>PRESSURE REGULATORS - DIRECT ACTING</b>																		
C26 520 540	40	25;32;50÷150	-10÷+70			●												
C26 520 563	63	25;50÷150	-10÷+70			●												
C26 117 540	40	25	-10÷+70			●												
RT 217 440	40	25	-10÷+70			●												
RT 237 440	40	10	-10÷+70			●												
RT 257 763	63	6	-10÷+70				●				●							
<b>PRESSURE REGULATORS - AXIAL DESIGN</b>																		
RO 117 540	40	25;40;50	-10÷+70			●												●
RO 117 563	63	25;40;50	-10÷+70			●												●
RO 117 5100	100	25;40	-10÷+70			●												●
<b>QUICK-CLOSING EQUIPMENTS - ONE-STAGE DESIGN</b>																		
C26 420 516	16	80÷200	-10÷+70			●												
C26 420 525	25	150;200	-10÷+70			●												
C26 420 540	40	25;50÷150	-10÷+70			●												
C26 420 563	63	50÷150	-10÷+70			●												
C26 420 5100	100	80	-10÷+70			●												
<b>QUICK-CLOSING EQUIPMENTS - DOUBLE-STAGE AND THREE IMPULSE</b>																		
C26 421 516	16	80÷200	-10÷+70			●												
C26 421 525	25	150;200	-10÷+70			●												
C26 421 540	40	25;50÷150	-10÷+70			●												
C26 421 563	63	50;100	-10÷+70			●												
<b>QUICK-CLOSING EQUIPMENTS - DOUBLE-STAGE AND FOUR IMPULSE</b>																		
C26 423 516	16	80÷200	-10÷+70			●												
C26 423 525	25	150;200	-10÷+70			●												
C26 423 540	40	25;50÷150	-10÷+70			●												
C26 423 563	63	50	-10÷+70			●												
<b>AXIAL QUICK-CLOSING EQUIPMENTS - ONE-STAGE DESIGN</b>																		
BR1 117 516	16	80;100	-10÷+70			●												●
BR1 117 540	40	25÷100	-10÷+70			●												●
BR1 117 563	63	25÷100	-10÷+70			●												●
BR1 117 5100	100	25÷100	-10÷+70			●												●
<b>AXIAL, QUICK-CLOSING EQUIPMENTS - TWO-STAGE DESIGN</b>																		
BR2 117 516	16	80;100	-10÷+70			●												●
BR2 117 540	40	25÷100	-10÷+70			●												●
BR2 117 563	63	25÷100	-10÷+70			●												●
BR2 117 5100	100	25÷100	-10÷+70			●												●

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection				Design				
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>AXIAL, QUICK-CLOSING EQUIPMENTS - THREE-STAGE DESIGN</b>																		
BR3 117 516	16	80;100	-10÷+70		●					●			●					●
BR3 117 540	40	25÷100	-10÷+70		●					●			●					●
BR3 117 563	63	25÷100	-10÷+70		●					●			●					●
BR3 117 5100	100	25÷100	-10÷+70		●					●			●					●
<b>AXIAL, QUICK-CLOSING EQUIPMENT - FARM DESIGN</b>																		
BR1 057 463	63	6;10	-10÷+70		●						●		●					●
<b>DUST FILTERS</b>																		
F11 250 440	40	10	-10÷+80		●						●		●					●
F12 230 440	40	10	-10÷+80		●					●			●					●
F13 150 463	63	6	-10÷+70		●					●			●					●
<b>DUST FILTER THREADED</b>																		
C26 601 525	25	25	-10÷+70		●					●			●					
<b>DUST FILTERS</b>																		
C26 604 516	16	80;100÷200	80		●					●			●					
C26 604 540	40	50	80		●					●			●					
C26 636 516	16	80	80		●					●			●					
C26 636 616	16	50÷100	80	●						●			●					
C26 643 406	6	50	-10÷+80		●					●			●					
<b>DUST FILTERS - LARGE CAPACITY DESIGN</b>																		
C26 610 416	16	50÷100	-20÷+80		●					●			●					
C26 643 416	16	50÷200	-10÷+70		●					●			●					
C26 643 440	40	50÷200	-10÷+70		●					●			●					
C26 643 463	63	50÷200	-10÷+70		●					●			●					
C26 641 540	40	25	-10÷+80		●					●			●					
C26 641 563	63	25	-10÷+80		●					●			●					
<b>ELECTRIC GAS PREHEATERS</b>																		
C26 628 440	40	10;25;50;80	70		●					●			●					
C26 628 463	63	25;50	70		●					●			●					
C26 629 416	16	80;150	70		●					●			●					
C26 629 440	40	50	70		●					●			●					
<b>ELECTRIC GAS PREHEATER</b>																		
EP1 130 440	40	10	70		●					●			●					
<b>DRAIN VALVE</b>																		
C26 101 540	40	25	-10÷+40		●					●			●	●				
<b>ELECTROMAGNETIC VALVES</b>																		
C26 103 516	0,05	150	-10÷+40		●					●			●					
C26 103 516	0,15	65; 80÷150	-10÷+40		●					●			●					
C26 103 516	0,6	50;80	-10÷+40		●					●			●					



# Various Valves

Type	Nominal Pressure PN	Nominal Diameter DN	Max. temperature °C	Material						Connection				Design				
				cast iron	ductile iron	carbon steel	alloy steel	brass	stainless steel	flanges	flange-less	threaded	screw joint	for welding	basic	low temper.	DIN mater.	DIN sizes
<b>DEAERATING VALVE - BALL FLOAT DESIGN</b>																		
D62 017 540	40	25	200		●					●			●			●		
<b>STRAINERS</b>																		
D71 117 616	16	15÷400	300	●						●			●		●	●	●	
D71 117 540	40	15÷400	400			●				●			●		●	●	●	
D71 137 610	10	6÷80	150	●							●		●		●	●		
<b>WATER, AIR PRESSURE REDUCING VALVE</b>																		
R12 117 616	16	25÷100	90	●						●			●		●	●		
<b>STEAM PRESSURE REDUCING VALVE</b>																		
R22 117 616	16	25÷100	300	●						●			●		●	●		
<b>STEAM PRESSURE REDUCING VALVE</b>																		
R23 117 525	25	25; 50; 80	400			●				●			●		●	●		
<b>STEM TRAPS - BALL FLOAT DESIGN</b>																		
D15 117 616.01	16	15; 25; 50	300	●						●			●		●	●		
D15 117 540.01	40	15; 25; 50	450			●				●			●		●	●		
<b>DRAIN VALVES - BALL FLOAT DESIGN</b>																		
D16 117 616	16	15; 25; 50	70	●						●			●		●	●		
D16 117 540	40	15; 25; 50	70			●				●			●		●	●		
<b>STEM TRAPS - BALL FLOAT DESIGN</b>																		
D17 117 616	16	15;20;25;40;50	300	●						●			●		●	●		
D17 117 540	40	15;20;25;40;50	450			●				●			●		●	●		
<b>SUCTION BASKET</b>																		
M51 017 610	10	40÷300	90	●						●			●		●	●		
<b>INLET BASKET</b>																		
M30 010 610	10	40÷300	90	●						●			●		●	●		
<b>YOKE GATE VALVES</b>																		
S14 111 606 (F4)	6	40÷300	200	●						●			●		●	●		
S35 111 610 (F4)	10	40÷300	200	●						●			●		●	●		
S35 111 610 (F5)	10	40÷300	200	●						●			●		●	●		
S35 111 616 (F5)	16	40÷300	200	●						●			●		●	●		
S38.1 111 516 (F5)	16	40÷350	400			●				●			●		●	●		
S38.1 111 525 (F5)	25	40÷300	400			●				●			●		●	●		
S38.1 111 540 (F7)	40	40÷350	400			●				●			●		●	●		



# Gas Regulating Stations



The company, Severočeská armaturka, a. s. has been traditional manufacturer of gas regulating stations (RS), since the year 1969. The station RS is a plant, intended for the inlet gaseous fluid pressure automatic control, resulting in the constant value of a gas outlet pressure.

The contemporary production programme comprises the assortment in accordance with pressure ranges and RS outputs.

## Pressure Ranges

Type	Inlet Pressure	Pressure Range(MPa)	Outlet Pressure
RS vvtl	very high	4 - 10	high, middle, low
RS vtl	high	0,4 - 4	high, middle, low
RS stl	middle	0,005 - 0,4	middle, low

## Regulating Stations Outputs

The Regulation station outputs that are in the company production assortment are in a range of 10 Stm<sup>3</sup>/h, so called Farm Regulating Station, intended for small number of families, to 50 000 Stm<sup>3</sup>/h, or more up to 100 000 Stm<sup>3</sup>/h or even more. Stations with outputs up to 5 000 Stm<sup>3</sup>/h are usually fully assembled on the frame or together with a building.

Stations of higher outputs are assembled on the construction site and all stations are usually supplied as turnkey deliveries.

**The company Severočeská armaturka, a. s. offers different possibilities of station buildings. The most frequent are as follows:**

- steel-plastics
- concrete skeletons, with various roof variants, door and wide scale of colour shades
- on the construction site, in accordance with the turnkey project



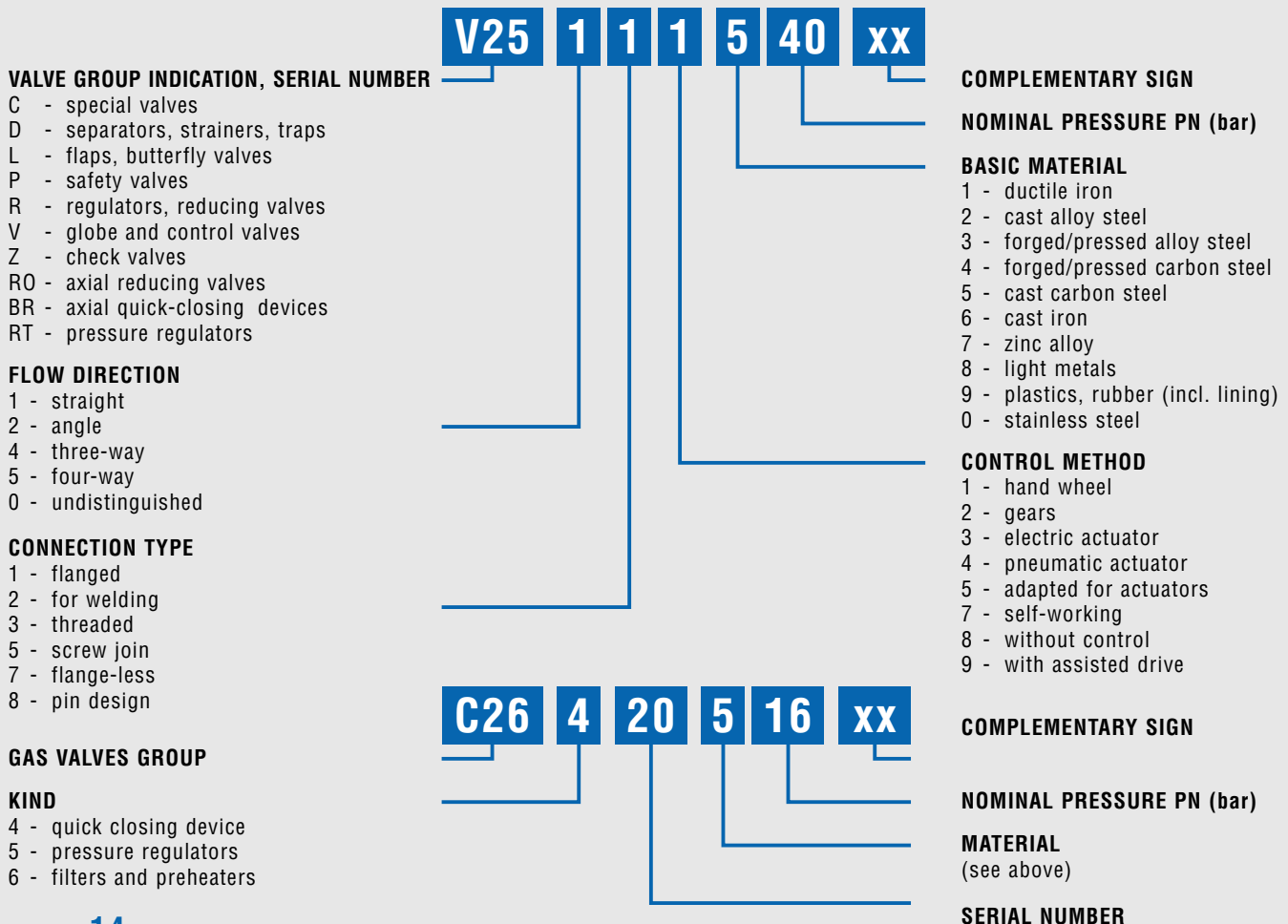
# Foundry Castings, Valve Type Number



The company Severočeská armaturka, a.s. (SČA), disposes of own production capacities of castings, intended namely for industrial valves, made of cast steel, cast and ductile iron.

CASTINGS MATERIALS				
ČSN Standard	DIN Standard	DIN Material	ASTM Standard	ASTM Material
<b>CAST STEEL</b>				
42 26 43	DIN 17 245 (1.0619)	GS-C25	ASTM A 216	Grade WCA
42 26 43	DIN 1681	GS-45		
42 26 50	DIN 1681(1.0551)	GS-52	ASTM A 27-65	Grade N-2
42 26 60	DIN 1681(1.0553)	GS-60	ASTM A 148	Grade 80-40
42 27 09	DIN 17 182	GS-20 Mn 5	ASTM A 148-65	Grade 80-40
42 27 09	DIN 17 205	GS-30 Mn 5	ASTM A 148-65	Grade 80-40
42 27 45	DIN 17 245	GS-17CrMoV511	ASTM A 356	Grade 9
42 29 42	DIN 17 445(1.4410)	G-X10CrNiMo 18 9	ASTM A 296-73	CF-8M
<b>DUCTILE IRON</b>				
42 23 04	DIN 1693 (DIN EN 1563E)	GGG 40 (EN-GSJ400-15)	ASTM 536-67	Grade 60-40-18
42 23 05	DIN 1693-61 (DIN EN	GGG 50 (EN-GSJ500-7)	ASTM 536	Grade 65-45-12
42 23 06	1563E)	GGG 60 (EN-GSJ600-3)	ASTM 536-67	Grade 80-55-06
<b>CAST IRON</b>				
42 24 20	DIN 1691 (DIN EN 1561E)	GG 20 (EN-GJL-200)	ASTM A48-76	Class 30
42 24 25	DIN 1691 (DIN EN 1561E)	GG 25 (EN-GJL-250)	ASTM A48	Class 40

CASTINGS SIZES AND WEIGHTS			
Material	Mass (kg)	Frame Size (mm)	Wall Thickness (mm)
Cast steel machine moulding	1 - 150	450x450x170	min. 8
		600x600x200 (250)	
		800x600x200	
Cast steel hand moulding	1 - 550	max. diameter/height 1800/1500	
Ductile iron	2 - 100	800x600x180/250	6 - 60
Cast iron	0,2 - 100	800x600x180/250	6 - 60



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Sales Manager: **522**  
Valves Sales: **210**  
Valves Sales: **575**  
Direct Sales: **523**  
Direct Sales: - Fax: **+420 47 2706350**  
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Expedition Department Head: **598**  
Expedition Department: **447**  
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Gas Valves Sales: **237**  
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