TECHNICAL SPECIFICATIONS

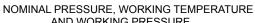
	DN	15	20	25	32	40	50	65	80	100	125	150
	full flow	3,2	5	8	12,5	20	32	50	80	125		
K _{vs} ¹⁾ [m³/h]	reduced flow	1 1,6 2,5	1,6 2,5 3,2	2,5 3,2 5	5	8	12,5	20	32	50		
	Stroke [mm]		6 8				12 14]	ω		
No	ise coefficient Z	0,65	0,65 0,6 0,55 0,45 0				,4	0,35		3000	peci	
Cont	rol characteristics		proportional						Ìả	<u>a</u> e		
Spri	ing range [kPa] 2)		40160; 100400; 200800; 2801120						xecι g to			
(n pressure in actuator chamber [bar]		20							special execution, to		
	ved pressure drop in valve [bar]	12 10						dual in	technical data			
		valve body in grey iron				PN 16			g qi	<u>ài</u> d		
Valve	nominal pressure	valve body in spheroidal iron PN 16; PN 25;				PN 40	ies	ata				
		valve body in carbon steel and stainless steel PN 16; PN 25; PN 40										
Ma		water			200							
	ximum medium mperature [°C]	steam										
16	imperature [O]	gases					80					

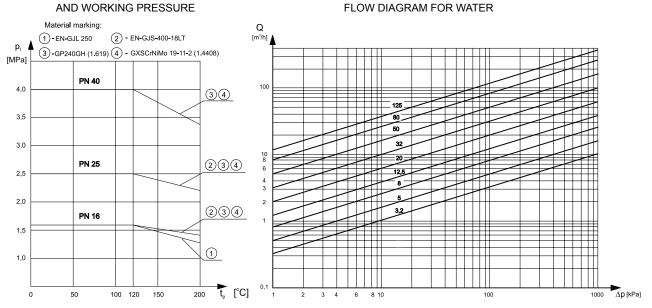
 $^{^{1)}}$ other flow ratios $K_{_{\text{VS}}}$ subject to order specification. $^{2)}$ other ranges subject to order specification.

MATERIALS as per PN

Regulator	ZSN 3.1	ZSN 3.2					
VALVE (01)							
Body	grey iron EN-GJL-250 spheroidal iron EN-GJS-400-178LT carbon steel GP240GH (1.0619) stainless steel GX5CrNiMo 19-11-2 (1.4408)						
Plug and seat	X6CrNiMoTi 17-12-2 (1.4571)						
Guide sleeve	AGCININOTI	17-12-2 (1.4571)					
Packing	EPDM ³⁾						
ACTUATOR (02)							
Housing	carbon steel S235JRG2C (1.0122)	stainless steel X6CrNiTi 18-10 (1.4541)					
Stem	X17CrNi 16-2 (1.4057)						
Diaphragm	EPDM + polyester fabric ³⁾						
Packing	EPDM ³⁾						
Adjuster (03)							
Adjuster components	carbon steel C45 (1.0503)						
Springs	spring steel 60Si7						

³⁾ other materials, subject to medium type.

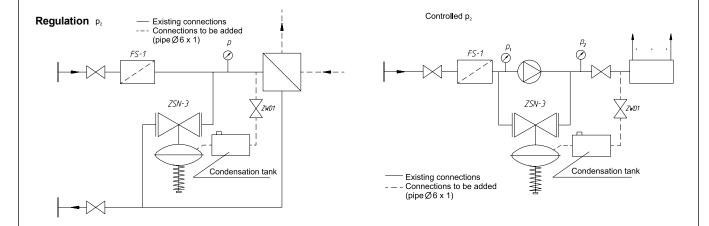




INSTALLATION

Regulator is to be installed on horizontal pipeline. Medium flow direction is to conform to arrow on body. At medium temperature lower than 130°C regulator position is optional, at higher temperatures it is recommended to install regulator with adjuster unit (03) down. To ensure reliable operation of regulator apply strainer FS1 upstream and needle valve ZWD 1 at impulse collection point. When applying regulator for steam installation of condensation tank is recommended.

EXAMPLES OF APPLICATION



ACCESSORIES

Delivered:

- nut and cutting ring for impulse tube,

Optional (ordered separately):

- strainer FS1,
- straight tube connection Ø 6×1,
- connection stub NPT 1/4"
- impulse tube \emptyset 6×1,
- adjustment wrench,
- condensation tank,
- needle valve ZWD 1.

ORDERING

In your order specify regulator type and marking, ZSN 3.1 or ZSN 3.2, DN nominal diameter, PN nominal pressure, flow ratio K_{ss} , body material, spring range.

Example of order:

ZSN 3.1 - DN 32; PN 16; Kvs 8; spheroidal iron; 200...800 kPa.