

# V2001 Valve Series with Type 3321 Valve

SAMSON



## Quality at a Reasonable Price

- Valve sizes DN 15 to 100
- According to DIN, ANSI or JIS standards
- Cast iron, spheroidal graphite iron, cast steel or stainless steel
- Insulating section (optional)
- Flow divider ST 1 (optional)
- Integral positioner attachment
- Differential pressure up to 10 bar



SMART IN FLOW CONTROL

# V2001 Valve Series with Type 3321 Valve



<b>Valve body</b>	DN 15 to 100			
<b>Materials</b>	Cast iron	Spheroidal graphite iron	Cast steel	Stainless steel
<b>Pressure rating</b>	PN 16	PN 25	PN 40 (up to DN 50) PN 16 (DN 65 and larger)	PN 40 (up to DN 50) PN 16 (DN 65 and larger)
<b>Connection</b>	Flanges according to DIN EN 1092-2		Flanges according to DIN EN 1092-1	
<b>Materials</b>	<b>Seat</b>	1.4104 (up to DN 50) 1.4006 (for DN 65 and larger)		1.4401 · 1.4404 <sup>1)</sup> (up to DN 50) DN 65 and larger: in the valve body
	<b>Plug</b>	1.4401 · 1.4404 <sup>1)</sup>		
<b>Leakage class</b>	Soft seal: VI Metal seal: IV			
<b>Characteristic</b>	Inherent			
<b>Rangeability</b>	50:1 with DN 15 to 50 30:1 with DN 65 to 100			
<b>Travel</b>	15 mm (up to $K_{VS}$ 100) 30 mm (for $K_{VS}$ 160)			
<b>Packing</b>	Self-adjusting V-ring packing of PTFE with carbon			
<b>Temperature range</b>	-10 to 220 °C without insulating section -60 to 300 °C with insulating section			

<sup>1)</sup> Material double-stamping

<b><math>K_{VS}</math> and seat diameters</b>																				
<b>DN</b>	15				20		25		32		40		50		65		80		100	
<b><math>K_{VS}</math></b>	0.25	0.63	1.6	4	2.5	6.3	4	10	6.3	16	10	25	16	35	40	100	40	100	40	160
<b><math>K_{VS-1}</math> <sup>1)</sup></b>	-		1.45	3.6	2.2	5.7	3.6	9	5.7	14.5	9	22	14.5	31	36	90	36	90	36	144
<b>Seat Ø mm</b>	3	6	12		12	24	12	24	24	32	24	38	32	48	48	80	48	80	48	80

<sup>1)</sup> With flow divider ST 1

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