

2

, PN16

VVG44...



- 2, PN16
- : Bronze Rg5
- : DN15 ... DN40 mm ( 1/2 ... 1 1/2")
- (k<sub>vs</sub>) : 0.25 ... 25 m<sup>3</sup>/h
- : 5.5 mm
- knob 가
- 가 : SQS35..., SQS65... SQS85...
- (Fitting)

(Use)

(Media)

+2 ... +120 °C

(Type summary)

Type	DN		k <sub>vs</sub> [m <sup>3</sup> /h]	S <sub>v</sub>	Δp <sub>vmax.</sub> [kPa]			
	[mm]	[inch]						
VVG44.15-0.25 VVG44.15-0.4 VVG44.15-0.63	15	1/2"	0.25	> 50	400			
VVG44.15-1 VVG44.15-1.6 VVG44.15-2.5 VVG44.15-4			1					
VVG44.20-6.3 VVG44.25-10 VVG44.32-16 VVG44.40-25			20	3/4"		6.3	> 100	300
			25	1"		10		
			32	1 1/4"		16		
			40	1 1/2"		25		

DN =

k<sub>vs</sub> = (VDI 2173)

S<sub>v</sub> = Rangeability (VDI 2173)

Δp<sub>vmax.</sub> =

(Ordering)

) VVG41.40-25

(fitting)

(Delivery)

(Equipment combinations)

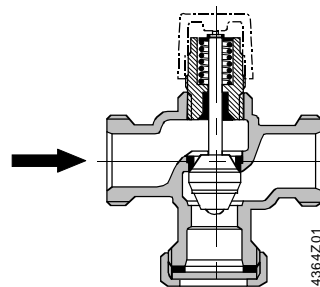
		1) SQS35..., SQS65..., SQS85...		
		$\Delta p_{max}$	$\Delta p_s$	
		[kPa]		
	$H_{100}$ [mm]			
VVG44.15-0.25	5.5	400	1600	ALF15
VVG44.15-0.4			850	
VVG44.15-0.63			400	
VVG44.15-1			800	
VVG44.15-1.6		300	400	ALF20
VVG44.15-2.5		200	225	ALF25
VVG44.15-4		100	100	ALF32
VVG44.20-6.3				ALF40
VVG44.25-10				
VVG44.32-16				
VVG44.40-25				
<b>Data sheet N4573</b>				

1) 가 : • AC 230 V (3-position )  
 • AC 24 V (3-position )  
 • AC 24 V ( : DC 0...10 V DC 2...10 V)

$H_{100}$  = 100 %  
 $\Delta p_{max}$  =  
 $\Delta p_s$  = 가 (closing pressure)

(Mechanical design)

(Valve cross-section)



Parabolic plug



2

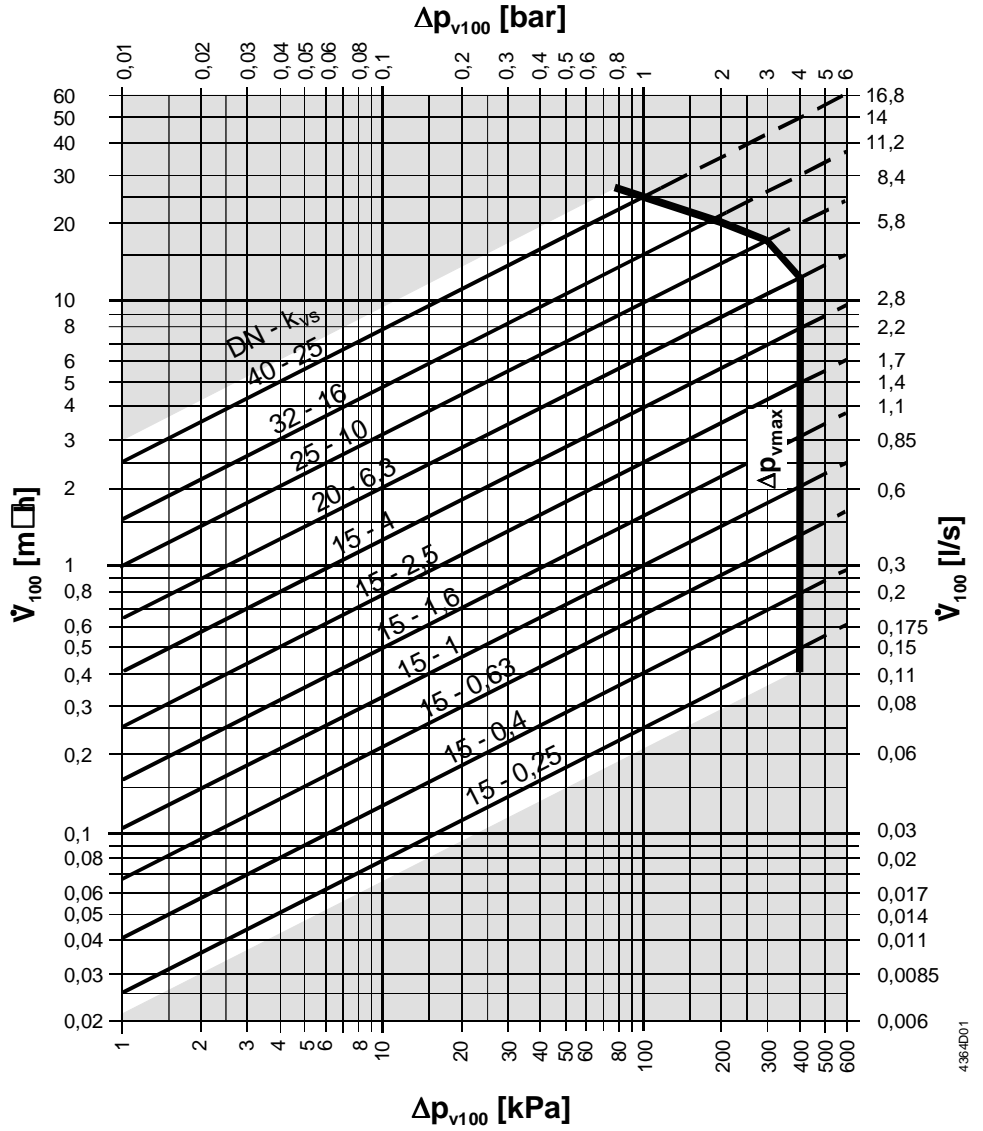
3

blocking nut

(Disposal)

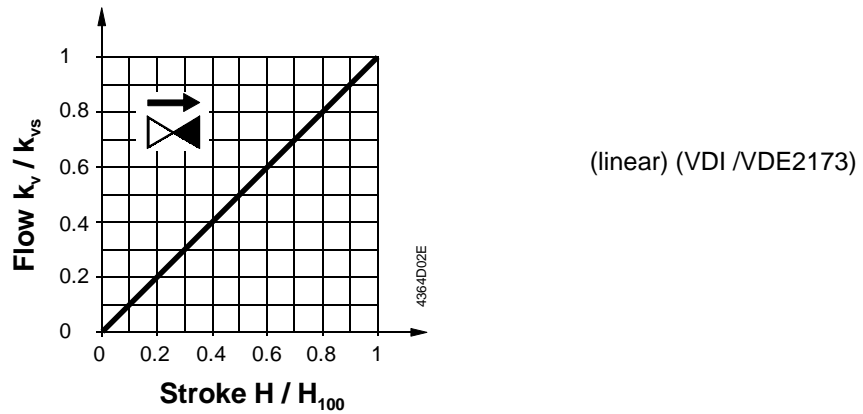
(Sizing)

(Flow diagram)



100 kPa = 1 bar  $\approx$  10 mWG  
 1 m³/h = 20 °C 0.278kg/s  
 $p_{vmax}$  =  
 $p_{v100}$  = 가 100% . (kPa, bar)  
 $\dot{V}_{100}$  = (m³/h l/s)

(Valve flow characteristic)



**(Notes)**

- 가

**(Engineering)**

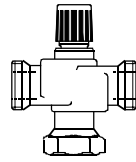
- VDI2035



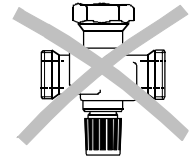
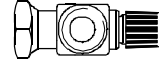
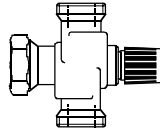
가

**(Mounting)**

(Mounting positions)



가



4364202

가



(Direction of flow)

( ) 가

**(Commissioning)**

: 가  
:

**(Service)**



가

가

(Stem sealing gland)

“ ” ( )

**(Warranty)**

“ ”  $\Delta p_{max}, \Delta p_s,$  “ ”  
” **SIEMENS** “

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**(Technical data)**

PN class

PN16

**(Function data)**

0 ... 30 %  
30 ... 100 %

(linear)  
 $n_{gl} = 3$  (VDI / VDE 2173)  
 $k_{vs}$  0 ... 0.02 % (VDE / VDI 2173)  
1600 kPa (16 bar), ISO 7268 / EN 1333  
2 ... + 120 °C      DIN 4747 / DIN 3158

Thread

ISO 228/1      G...B  
ISO 7/1      ISO 7/1

Fitting

5.5 mm

**(Materials)**

, ,

G-CuSn5ZnPb (Rg5) (DIN 1705)

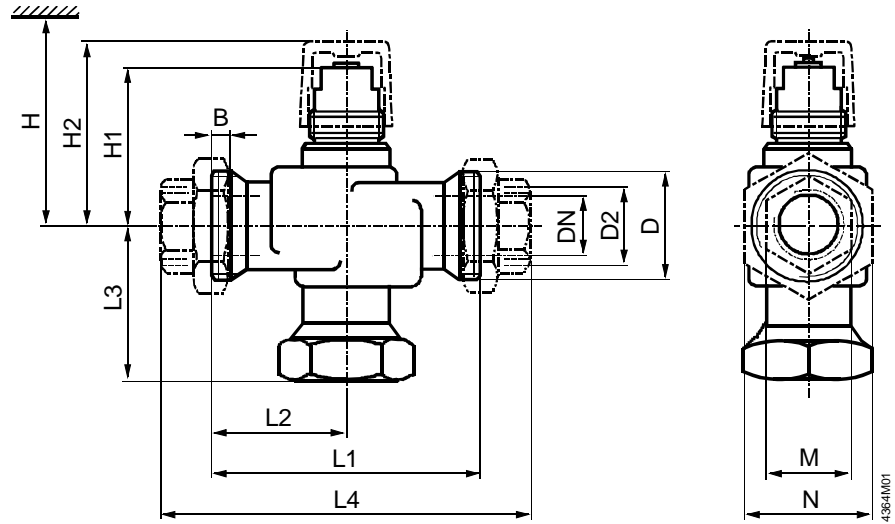
, (Rg5),

EPDM-O ring

Fittings ALF...

: mm

**(Dimensions)**



DN [mm]	B	D	D2	H1	H2	L1	L2	L3	L4	M	N	Weight without [kg]
15	8.5	G1B	Rp½	53	63	100	50	58	148	25	41	0.6
20	9	G1½B	Rp¾	68	78			59	150	32	50	1.0
25		G1½B	Rp1	71	81	105	52.5	62.5	160	38	55	1.4
32	11	G2B	Rp1¼	77.5	87.5			63.5	170	47	70	1.95
40		G2¼B	Rp1½	80.5	90.5	130	65	76	198	53	75	2.75

DN [mm]	H SQS35..., SQS65..., SQS85...
15	> 364
20	> 379
25	> 382
32	> 389
40	> 392

DN =

H =

H1 =

H2 =

가