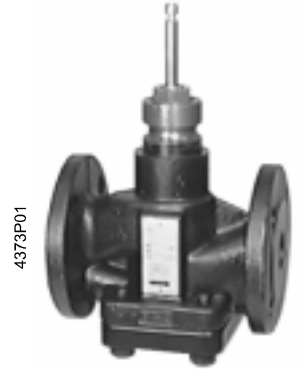


2

, PN16

VVF45...



- 2 , PN16
- : Sopheroidal cast iron GGG-40
- : DN50...150 mm
- (k_{vs}) : 31...300 m³/h
- : 20 40 mm
- 가 : SKB..., SKC...
- GGG-40 DN15 ... DN40 mm “ ” 4373

. (DIN 32730)

(Use)

(Media)

()		-25 ...+140 °C
()	()	
1) 2)	1) 2)	
()		140 ...180 °C
()	(6 bar abs.)	
()	(6 bar abs.)	
		가 ³⁾

1) 0 °C : 가 (ASZ6.5)가

2) : - 10 °C DIN 3158 (stress case I)
-25 °C DIN 3158 (stress case II)

3) . (MX series data sheets 4700 ... 4799)

(Type summary)

	DN [mm]	k_{vs} [m ³ /h]	S_v	$\Delta p_{vmax.}$ [kPa]
VVF45.50	50	31	> 100	1200
VVF45.65	65	49		1000
VVF45.80	80	78		700
VVF45.90	100	124		450
VVF45.91	125	200		300
VVF45.92	150	300		200

(...4)

()	(6 bar abs.)	140 ... 180 °C	VVF45.504
	(6 bar abs.)		

DN = $\Delta p_{vmax.}$ =
 k_{vs} = (VDI 2173)
 S_v = Rangeability (VDI 2173)

(Accessories)

가 0 °C 가 (AC24V) . ASZ6.5

(Ordering)

) VVF45.50

(Delivery)

가

(Equipment combinations)

	H_{100} [mm]	SKB...		SKC...	
		Δp_{max}	Δp_s	Δp_{max}	Δp_s
VVF45.50	20	1200	1600		-
VVF45.65	40			1000	1600
VVF45.80				700	
VVF45.90				450	
VVF45.91				300	
VVF45.92				200	
Data sheet		4564			

- 1) 가 : • AC 24 V / AC 230 V (3-position)
 • AC 24 V (: DC 0...10 V DC 4...20 mA)
 2) 140 °C 가 .
 3) Δp_{max} Δp 99 1 (SQX32... / SQX82... / SQX62)

H_{100} = 100 %
 Δp_{max} = Δp_s = 가 (closing pressure)

(Pneumatic actuators)

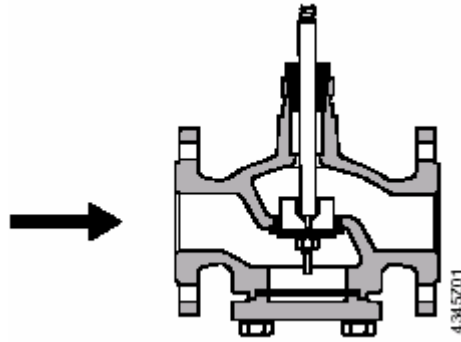


VVF45...

가

(Mechanical design)

(Valve cross-section)



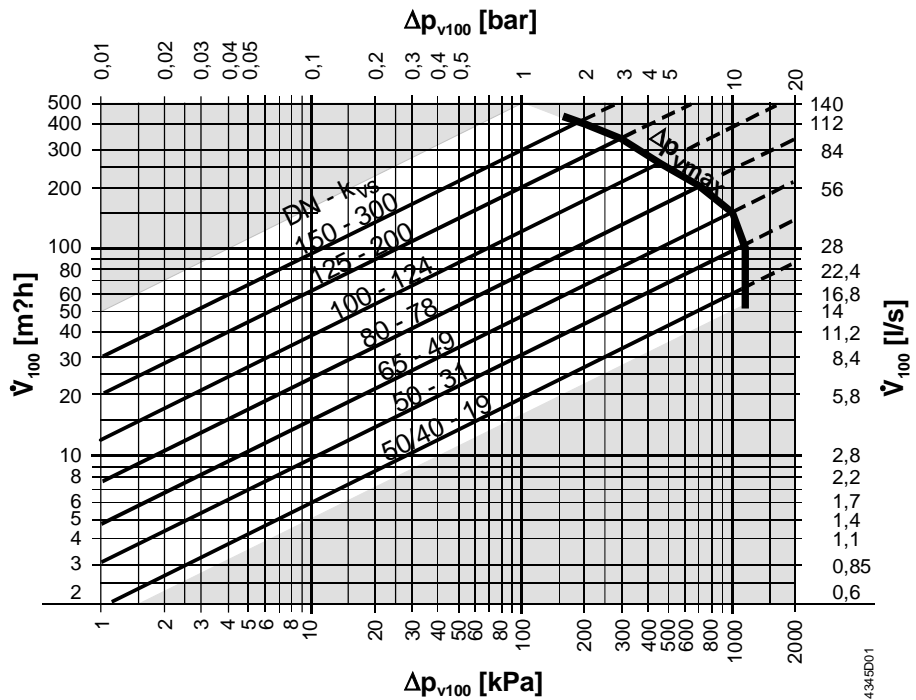
2

3

(Disposal)

(Sizing)

(Flow diagram)



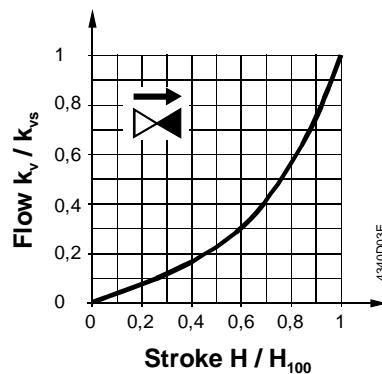
Δp_{Vmax} =

Δp_{V100} = 가 100% . (kPa, bar)

\dot{V}_{100} = (m³/h l/s)

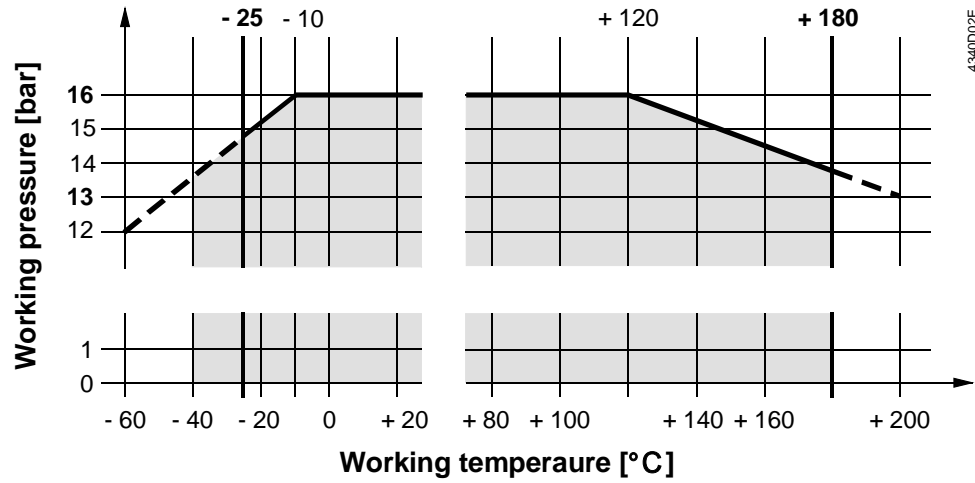
100 kPa = 1 bar ≈ 10 mWG

(Valve flow characteristic)



0 ... 30 % ⇒ (linear)
 30 ... 100 % ⇒ $n_{gl} = 3$ as per VDI / VDE2173

(Working pressure and temperature)



4340D02E

-25 ... +180 °C (DIN 4747 DIN 3158) ISO
7268 EN 1333 .

(Notes)

(Engineering)

: VDI 2035



SKC...

SKB...,



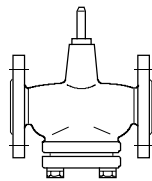
가 0 °C

가

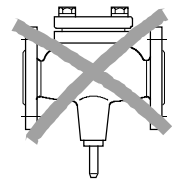
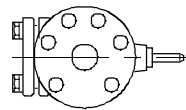
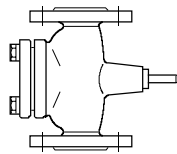
(ASZ6.5 : AC 24 V / 30 W)

(Mounting)

(Mounting positions)



가



가

4340Z01



(Direction of flow)

(Commissioning)



()

가

⋮

가



(Service)

가

(Stem sealing gland)

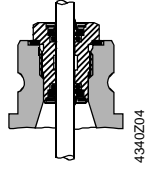
가

가

가

(Spare parts)

(Standard version)



-25 ... +140 °C

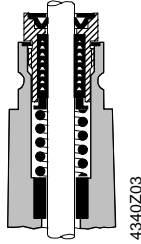
(EPDM-O-ring)

(,),

가

VVF45... DN50 ... 150 (14 mm) **4 679 5629 0**

(Special version)



140...180 °C

가

(,),

(PTFE)

VVF45... **4** DN50 ... DN150 (14 mm) **4 679 5630 0**

(Warranty)

“ ”

()

“ ”

$\Delta p_{max}, \Delta p_s$
SIEMENS

“

(Technical data)

(Function data)

PN class

PN16

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

(linear)

$n_{gl} = 3$ (VDI / VDE 2173)

$k_{vs} = 0 \dots 0.02$ % (VDE / VDI 2173)

1600 kPa (16 bar), ISO 7268 / EN 1333

-25 ... +180 °C DIN 4747 / DIN 3158

ISO 7005

- DN50
- DN65 ... DN150

20 mm

40 mm

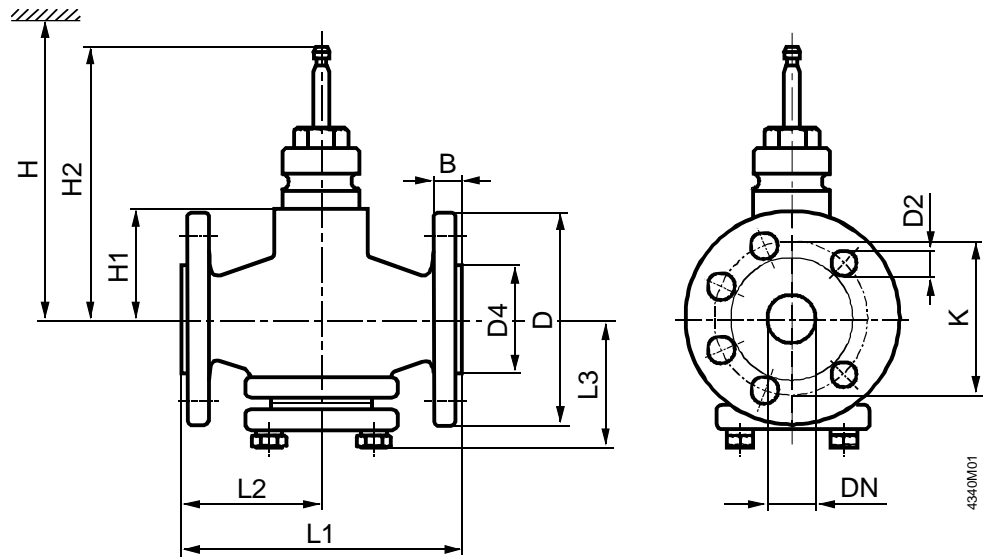
Materials

spheroidal cast iron GGG-40 (DIN EN 1693)

EPDM-O-rings, PTFE sleeves

: mm

(Dimensions)



DN	B	D	D2	D4	H1	H2	K	L1	L2	L3	[kg]
[mm]											
50	20	165	19 (4x)	99	96	192.5	125	230	115	96	15.5
65		185	19 (8x)	118	114	230.5	145	290	145	126	24
80	22	200		132	126	242.5	160	310	155	148	29
100	24	220	19 (8x)	156	146	262.5	180	350	175	165	41
125	26	250		184	163	279.5	210	400	200	184	58
150		285	23 (8x)	211	186	302.5	240	480	240	210	80

DN	H
[mm]	
50	> 671
65	> 689
80	> 701
100	> 721
125	> 738
150	> 761

DN =

H =

H1 =

H2 =

(가)