

2

, PN25

VVF52...



- 2 , PN16
- : Spheroidal cast iron GG-40.3
- : DN15...40 mm
- (k_{vs}) : 3.2...25 m³/h
- : 20 mm
- 가 : SQX..., SKD..., SKB...
- GGG-40 DN50 ... DN125 mm “ ” 4345

. (DIN 32730)

(Use)

(Media)

()	
()	
(2 bar abs.)	-25 ... +140 °C
50 % ^{1) 2)}	
()	
(6 bar abs.)	140 ...180 °C
(6 bar abs.)	
	가 ³⁾

1) 0 °C : 가 (ASZ6.5)가

2) : -20 °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]
VVF52.15-3.2	15	3.2	50...100	1600
VVF52.15-4		4.0		
VVF52.25-6.3	25	6.3	100...200	
VVF52.25-10		10.0		
VVF52.40-16	40	16.0		
VVF52.40-20		20.0		
VVF52.40-25		25.0		

(...A G)

()	(6bar abs.)	(6 bar abs.)	VVF52.25-...A VVF52.25-...G VVF52.25-...A
		140 ... 180 °C	

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

(Accessories)

가 0 °C 가 (AC24V) ASZ6.5

(Ordering)

) VVF52.40-25G

(Delivery)

가

(Equipment combinations)

	H_{100} [mm]	1)					
		SQX... 2) 3)		SKD... 2) 4)		SKB... 4)	
		Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s
		[kPa]					
VVF52.15...	20	1600	2500	1600	2500	1600	2500
VVF52.25...		1200	1500		2250		2000
VVF52.40...		400	500		750		
Data sheet		4554		4561		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)
 4) G
 H_{100} = 100 %
 Δp_{max} = Δp_s = 가 (closing pressure)

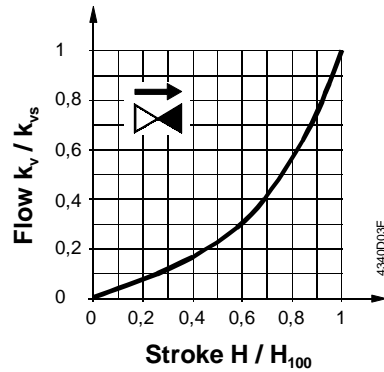
(Pneumatic actuators)

VVF52...G (가) 가

$p_{vmax.} =$
 $p_{v100} =$ 가 100% . (kPa, bar)
 $\dot{V}_{100} =$ (m³/h l/s)

100 kPa = 1 bar ≈ 10 mWG

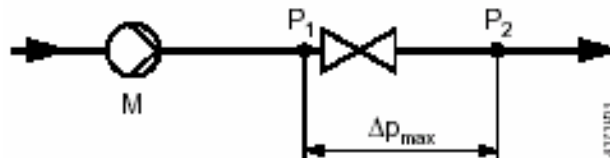
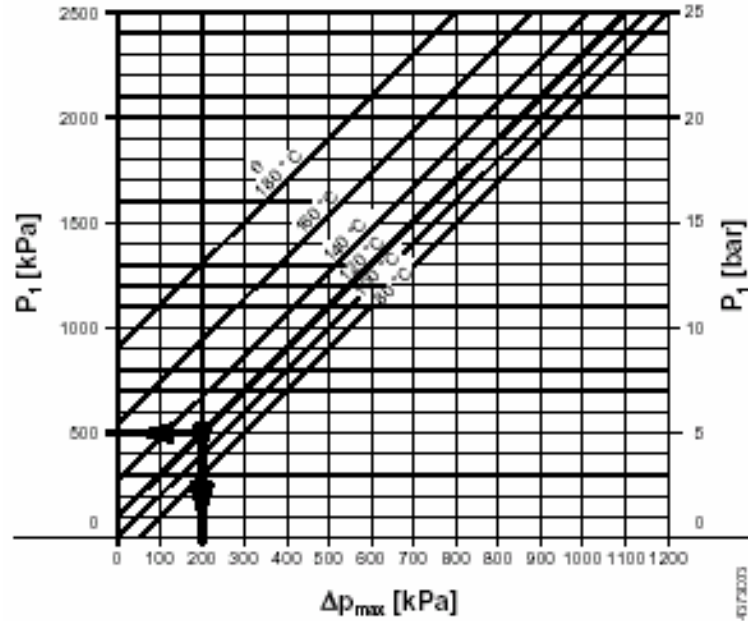
(Valve flow characteristic)



0 ... 30 % ⇒ (linear)
 30 ... 100 % ⇒ $n_{gl} = 3$ as per VDI / VDE 2173

(Cavitation)

() 가
가 .

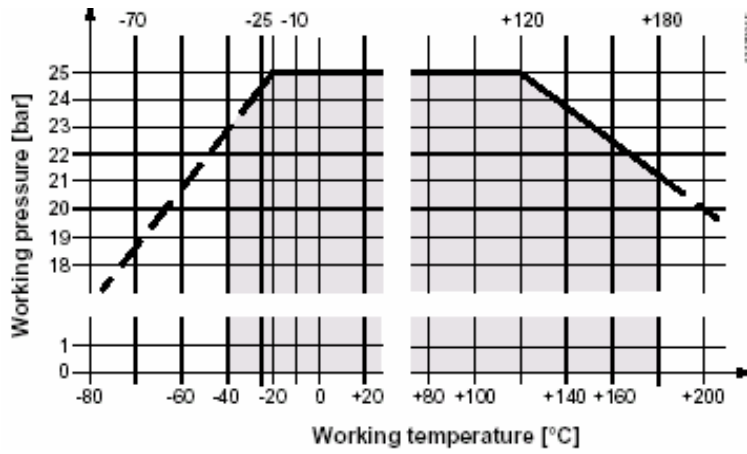


100 kPa = 1 bar ≈ 10 mWG
 t_w = Water temperature
 Δp_{max} = Pressure difference for nearly closed valve at which cavitation can largely be prevented.
 P_1 = Pressure k P_1 upstream of the valve = $P_2 + \Delta p_{max}$
 P_2 = System pressure + existing steam pressure
 M = Pump

) P_1 : 500 KPa (5 bar), : 120 °C

(가) 200 KPa (5 bar)

(Working pressure and temperature)



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

ISO

(Notes)

(Engineering)

: VDI 2035



SKB...



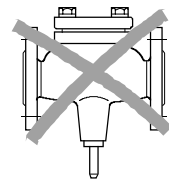
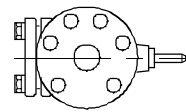
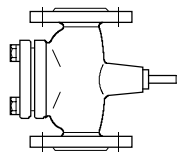
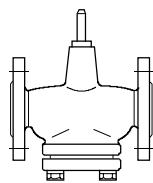
가 0 °C

가

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

(Mounting)

(Mounting positions)



4340201

가

가



(Direction of flow)

(Commissioning)



()

가

⋮

가



(Service)

가

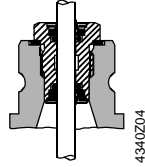
(Stem sealing gland)

가

가가

(Spare parts)

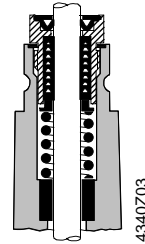
(Standard version)



4340Z04

-25 ... +140 °C 가 (,), (EPDM-O-ring)
VVF52... DN15 ... 40 (10 mm) 4 284 8806 0

(Special version)



4340Z03

140...180 °C 가 (,), (PTFE)
VVF52... A DN15 ... DN40 (10 mm) 4 284 8829 0
VVF52... G DN15 ... DN40 (10 mm) 4 284 8829 0

(Warranty)

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

(Technical data)

(Function data)

PN class

PN25

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

(linear)
 $n_{gl} = 3$ (VDI / VDE 2173)
 $k_{vs} = 0 \dots 0.02 \%$ (VDE / VDI 2173)
2500 kPa (25 bar), ISO 7268 / EN 1333
-25 ... +180 °C DIN 4747 / DIN 3158

ISO 7005

20 m

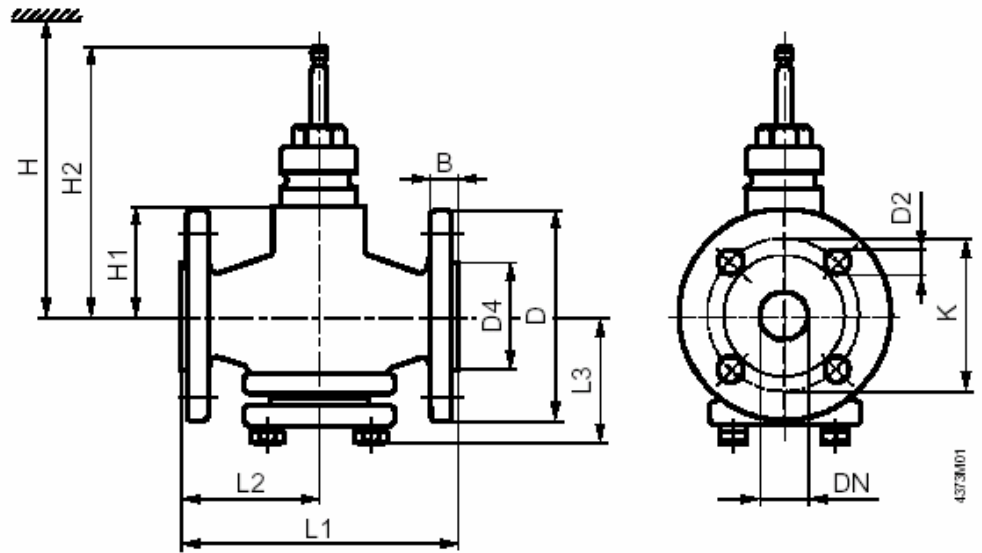
GG-40.3 (DIN EN 1693)

Materials

EPDM-O-rings, PTFE sleeves

: mm

(Dimensions)



DN	B	D	D2	D4	H1	H2	K	L1	L2	L3	
[mm]											[kg]
15	16	95	14 (4x)	46	64	160.5	65	130	65	69.0	4.0
25	18	115		65			85	160	80	73.0	5.4
40	20	150	19 (4x)	84	57	242.5	110	200	100	97.5	8.9

DN [mm]	H		
	SQX...	SKD...	SKB...
50	> 489	> 564	> 639
65	> 489	> 564	> 639
80	> 482	> 557	> 639

DN =

H =

H1 =

H2 =

가
()