

## Data sheet

# Two- and three way valves VFG.. / VFGS2 / VFU.. for thermostats and electrical actuators

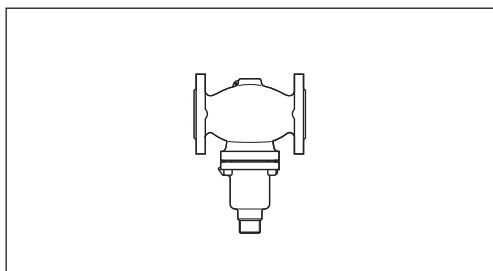
### Description

Valves for heating, district heating and cooling systems.

The valves can be used with following actuators:

- Thermostats AFT..
- Actuators AMV(E) 4..
- Actuators AMV(E) 6..

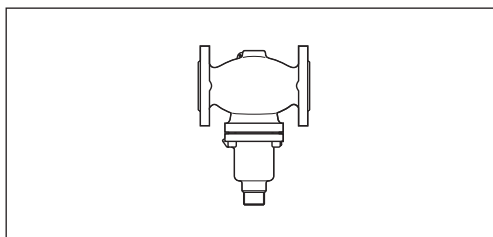
**VFG 2**  
**VFG 21**  
(see pages 2, 3)



#### Main data:

- DN 15 - 250
- $t_{max}$  200 °C
- 2-way valve (Normally Open)
- Medium: circulation water and glycolic water up to 30%
- Cone: VFG 2 metal / metal sealing  
VFG 21 soft sealing
- Pressure relieved

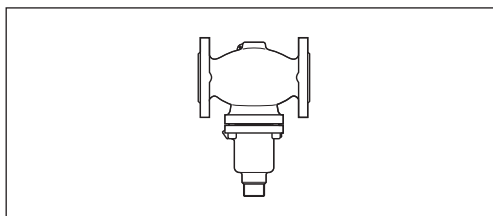
**VFG 25**  
(see page 4)



#### Main data:

- DN 15 - 80
- $t_{max}$  200 °C
- 2-way valve (Normally Open)
- Medium: circulation water and glycolic water up to 30%
- Cone: metal / metal sealing
- Not pressure relieved

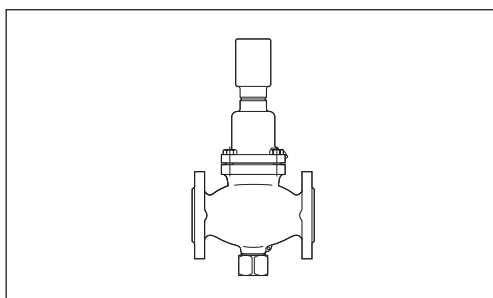
**VFGS 2**  
(see pages 5, 6)



#### Main data:

- DN 15 - 250
- $t_{max}$  350 °C
- 2-way valve (Normally Open)
- Medium: steam
- Cone: metal / metal sealing
- Pressure relieved

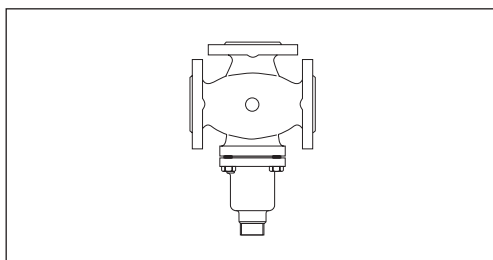
**VFU 2**  
(see page 7)



#### Main data:

- DN 15 - 125
- $t_{max}$  200 °C
- 2-way valve (Normally Close)
- Medium: circulation water and glycolic water up to 30%
- Cone: metal / metal sealing
- Pressure relieved

**VFG 33**  
**VFG 34**  
(see pages 8, 9)



**Only for use with thermostat AFT.**

#### Main data:

- DN 25 - 125
- $t_{max}$  350 °C
- Medium: circulation water and glycolic water up to 30%
- VFG 33 mixing pressure balanced valve
- VFG 34 diverting pressure balanced valve
- Cone: metal / metal sealing

**Ordering (VFG 2)**

Cone:  
metal /metal sealing, pressure  
relieved.

Picture	DN (mm)	$k_{vs}$ (m <sup>3</sup> /h)	$t_{maks.}$ (°C)	Code No.		
				PN 16	PN 25	PN 40
	15	4.0	200	<b>065B2388</b>	<b>065B2401</b>	<b>065B2411</b>
	20	6.3	200	<b>065B2389</b>	<b>065B2402</b>	<b>065B2412</b>
	25	8.0	200	<b>065B2390</b>	<b>065B2403</b>	<b>065B2413</b>
	32	16	200	<b>065B2391</b>	<b>065B2404</b>	<b>065B2414</b>
	40	20	200	<b>065B2392</b>	<b>065B2405</b>	<b>065B2415</b>
	50	32	200	<b>065B2393</b>	<b>065B2406</b>	<b>065B2416</b>
	65	50	200	<b>065B2394</b>	<b>065B2407</b>	<b>065B2417</b>
	80	80	200	<b>065B2395</b>	<b>065B2408</b>	<b>065B2418</b>
	100	125	200	<b>065B2396</b>	<b>065B2409</b>	<b>065B2419</b>
	125	160	200	<b>065B2397</b>	<b>065B2410</b>	<b>065B2420</b>
	150	280	140	<b>065B2398</b>	-	<b>065B2421</b>
	200	320	140	<b>065B2399</b>	-	<b>065B2422</b>
	250	400	140	<b>065B2400</b>	-	<b>065B2423</b>
	150	280	200	<b>065B2424</b>	-	<b>065B2427</b>
	200	320	200	<b>065B2425</b>	-	<b>065B2428</b>
	250	400	200	<b>065B2426</b>	-	<b>065B2429</b>

**Technical data (VFG 2)**

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	
$k_{vs}$ value	(m <sup>3</sup> /h)	4	6.3	8	16	20	32	50	80	125	160	280 320 <sup>1)</sup>	320 450 <sup>1)</sup>	400 630 <sup>1)</sup>	
z value acc. to VDMA 24 422		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35	0.3	0.2	0.2	
	$\Delta p_{max.}^{2)}$ (bar)	PN 16	16	16	16	16	16	16	16	16	15				
	AFT	PN 25, 40	20	20	20	20	20	20	20	20	15				
	$\Delta p_{max.}^{3)}$ (bar)	PN 16	16	16	16	16	16	16	16	16					
	AMV(E) 4..	PN 25, 40	20	20	20	20	20	20	20	20					
	$\Delta p_{max.}^{3)}$ (bar)	PN 16	16	16	16	16	16	16	16	16	15	15	12	10	10
	AMV(E) 6..	PN 25, 40	20	20	20	20	20	20	20	20	15	15	12	10	10
Nominal pressure <sup>2)</sup>		PN 16, 25 or 40, flanges to EN 1092-2													
Flow medium / Temperature		Circulation water / Glycolic water up to 30% / thermo oil / 2 ... 200 °C													
Pressure balance		Stainless steel bellow, mat. No.1.4571										Rolling diaphragm			
Valve body material	PN 16	Grey cast iron EN-GJL-250 (GG-25)													
	PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)													
	PN 40	Cast steel GP240GH (GS-C 25)													
Cone material		Stainless steel, mat. No. 1.4404										mat. No. 1.4021			
Seat material		Stainless steel, mat. No. 1.4021										mat. No. 1.4313			

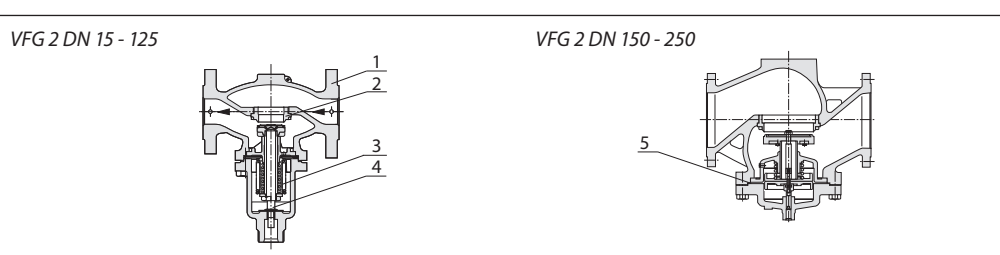
<sup>1)</sup> In combination with actuators AMV 613-Y60 (**082G0617**),  $k_{vs}$  values are higher.

<sup>2)</sup> Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

<sup>3)</sup> In order the actuator can close at max differential pressure flow velocity musn't exceed 2 m/s.

**Design (VFG 2)**

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert
- 5 Diaphragm



**Ordering (VFG 21)**

Cone:  
soft sealing, pressure relieved.

Picture	DN (mm)	$k_{vs}$ (m <sup>3</sup> /h)	$t_{maks.}$ (°C)	Code No.	
				PN 16	PN 25
	15	4.0	150	<b>065B2502</b>	<b>065B2515</b>
	20	6.3	150	<b>065B2503</b>	<b>065B2516</b>
	25	8.0	150	<b>065B2504</b>	<b>065B2517</b>
	32	16	150	<b>065B2505</b>	<b>065B2518</b>
	40	20	150	<b>065B2506</b>	<b>065B2519</b>
	50	32	150	<b>065B2507</b>	<b>065B2520</b>
	65	50	150	<b>065B2508</b>	<b>065B2521</b>
	80	80	150	<b>065B2509</b>	<b>065B2522</b>
	100	125	150	<b>065B2510</b>	<b>065B2523</b>
	125	160	150	<b>065B2511</b>	<b>065B2524</b>
	150	280	140	<b>065B2512</b>	-
	200	320	140	<b>065B2513</b>	-
	250	400	140	<b>065B2514</b>	-

**Technical data (VFG 21)**

Nominal diameter DN	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	
$k_{vs}$ value	(m <sup>3</sup> /h)	4	6.3	8	16	20	32	50	80	125	160	280 320 <sup>1)</sup>	320 450 <sup>1)</sup>	400 630 <sup>1)</sup>	
z value acc. to VDMA 24 422		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35	0.3	0.2	0.2	
	$\Delta p_{max.}^{2)}$ (bar)	PN 16	16	16	16	16	16	16	16	16	15	15			
	AFT	PN 25	20	20	20	20	20	20	20	20	20	15	15		
	$\Delta p_{max.}^{3)}$ (bar)	PN 16	16	16	16	16	16	16	16	16					
	AMV(E) 4..	PN 25	20	20	20	20	20	20	20	20					
	$\Delta p_{max.}^{3)}$ (bar)	PN 16	16	16	16	16	16	16	16	16	15	15	12	10	10
	AMV(E) 6..	PN 25	20	20	20	20	20	20	20	20	15	15	12	10	10
Nominal pressure <sup>2)</sup>		PN 16 or 25, flanges to EN 1092-2													
Flow medium / Temperature		Circulation water / Glycolic water up to 30% / 2 ... 150 °C (DN 15 - 125), 2 ... 140 °C (DN 150 - 250)													
Pressure balance		Stainless steel bellow, mat. No.1.4571										Rolling diaphragm			
Valve body material	PN 16	Grey cast iron EN-GJL-250 (GG-25)													
	PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)													
Cone material		Stainless steel, mat. No. 1.4404										mat. No. 1.4021			
Seat material		Stainless steel, mat. No. 1.4021										mat. No. 1.4313			
Conical seal		EPDM													

<sup>1)</sup> in combination with actuators AMV 613-Y60 (**082G0617**),  $k_{vs}$  values are higher.

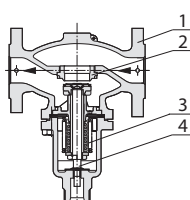
<sup>2)</sup> above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

<sup>3)</sup> **In order the actuator can close at max differential pressure flow velocity musn't exceed 2 m/s.**

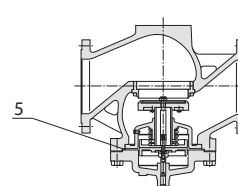
**Design (VFG 21)**

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert
- 5 Diaphragm

VFG 21 DN 15 - 125



VFG 21 DN 150 - 250



**Ordering (VFG 25)**

Cone:  
metal / metal sealing  
Not pressure balanced

Picture	DN (mm)	$k_{vs}$ (m <sup>3</sup> /h)	$t_{max.}$ (°C)	Code No.
				PN 16
	15	4.0	200	<b>065B2568</b>
	20	6.3		<b>065B2569</b>
	25	8.0		<b>065B2570</b>
	32	16		<b>065B2571</b>
	40	20		<b>065B2572</b>
	50	32		<b>065B2573</b>
	65	50		<b>065B2574</b>
	80	80		<b>065B2575</b>

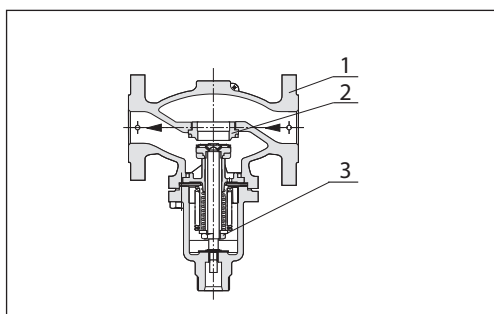
**Technical data (VFG 25)**

Nominal diameter DN	15	20	25	32	40	50	65	80
$k_{vs}$ value (m <sup>3</sup> /h)	4	6.3	8	16	20	32	50	80
z value acc. to VDMA 24 422	0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45
 $\Delta p_{max.}^{1)}$ (bar) AFT	10	10	5	5	2.5	2.5	0.8	0.8
 $\Delta p_{max.}$ (bar) AMV(E) 4..	12	12	7	7	3.5	3.5	1.2	1.2
 $\Delta p_{max.}$ (bar) AMV(E) 6..	16	16	12	12	7	7	2.5	2.5
Nominal pressure <sup>1)</sup>	PN 16, flanges acc. to EN 1092-2							
Flow medium / Temperature	Circulation water / Glycolic water up to 30% / thermo oil / 2 ... 200 °C							
Valve body material (PN 16)	Grey cast iron EN-GJL-250 (GG-25)							
Cone material	Stainless steel, mat. No. 1.4404							
Seat material	Stainless steel, mat. No. 1.4021							

<sup>1)</sup> Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

**Design (VFG 25)**

- 1 Valve body
- 2 Valve seat
- 3 Valve insert



**Ordering** (VFGS 2 - for steam)

Cone: metal / metal sealing, pressure relieved.

Picture	DN (mm)	k <sub>VS</sub> (m <sup>3</sup> /h)	k <sub>VS</sub> <sup>1)</sup> (m <sup>3</sup> /h)	t <sub>max.</sub> <sup>2)</sup> (°C)	Code No.			Code No. <sup>1)</sup>		
					PN 16	PN 25	PN 40	PN 16	PN 25	PN 40
	15	4.0	2.5	350	065B2430	065B2443	065B2453	065B2466	065B2479	065B2489
	20	6.3	4.0		065B2431	065B2444	065B2454	065B2467	065B2480	065B2490
	25	8.0	6.3		065B2432	065B2445	065B2455	065B2468	065B2481	065B2491
	32	16	10		065B2433	065B2446	065B2456	065B2469	065B2482	065B2492
	40	20	16		065B2434	065B2447	065B2457	065B2470	065B2483	065B2493
	50	32	25		065B2435	065B2448	065B2458	065B2471	065B2484	065B2494
	65	50	40		065B2436	065B2449	065B2459	065B2472	065B2485	065B2495
	80	80	63		065B2437	065B2450	065B2460	065B2473	065B2486	065B2496
	100	125	100		065B2438	065B2451	065B2461	065B2474	065B2487	065B2497
125	160	125	065B2439	065B2452	065B2462	065B2475	065B2488	065B2498		
	150	280	200	300	065B2440	-	065B2463	065B2476	-	065B2499
	200	320	225		065B2441	-	065B2464	065B2477	-	065B2500
	250	400	280		065B2442	-	065B2465	065B2478	-	065B2501

<sup>1)</sup> Valves with flow divider for noise reduction (see accessories)

<sup>2)</sup> Max. medium temperatures for valves VFGS 2 see table below.

<sup>2)</sup> Max. medium temperatures for valves VFGS 2

VFGS 2	PN	DN 15 - 125	DN 150 - 250
Steam, max. 200 °C	16, 25, 40	with seal pot	-
Steam, max. 300 °C	16, 40	-	with seal pot
Steam, max. 300 °C	16	with seal pot and valve stem extension ZF4, ZF5	-
Steam, max. 350 °C	25, 40	with seal pot and valve stem extension ZF4, ZF5	-

**Technical data** (VFGS 2)

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	
k <sub>VS</sub> value	(m <sup>3</sup> /h)	4	6.3	8	16	20	32	50	80	125	160	280	320	400	
k <sub>VS</sub> value <sup>1)</sup>	(m <sup>3</sup> /h)	2.5	4.0	6.3	10	16	25	40	63	100	125	200	225	280	
z value acc. to VDMA 24 422		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35	0.3	0.2	0.2	
	Δp <sub>max.</sub> <sup>3)</sup> (bar)	PN 16	16	16	16	16	16	16	16	16	15	15			
	AFT	PN 25, 40	20	20	20	20	20	20	20	20	15	15			
	Δp <sub>max.</sub> <sup>4)</sup> (bar)	PN 16	16	16	16	16	16	16	16	16					
	AMV(E) 4..	PN 25, 40	20	20	20	20	20	20	20	20					
	Δp <sub>max.</sub> <sup>4)</sup> (bar)	PN 16	16	16	16	16	16	16	16	16	15	15	12	10	10
	AMV(E) 6..	PN 25, 40	20	20	20	20	20	20	20	20	15	15	12	10	10
Nominal pressure <sup>3)</sup>		PN 16, 25 or 40, flanges to EN 1092-2													
Flow medium / Temperature		Steam / max. 350 °C										Steam / max. 300 °C			
Pressure balance		Stainless steel bellow, mat. No.1.4571										Rolling diaphragm			
Valve body material		PN 16	Grey cast iron EN-GJL-250 (GG-25)												
		PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)												
		PN 40	Cast steel GP240GH (GS-C 25)												
Cone material		Stainless steel, mat. No. 1.4021										mat. No. 1.4313			
Seat material		Stainless steel, mat. No. 1.4021													

<sup>1)</sup> Valves with flow divider for noise reduction (see accessories)

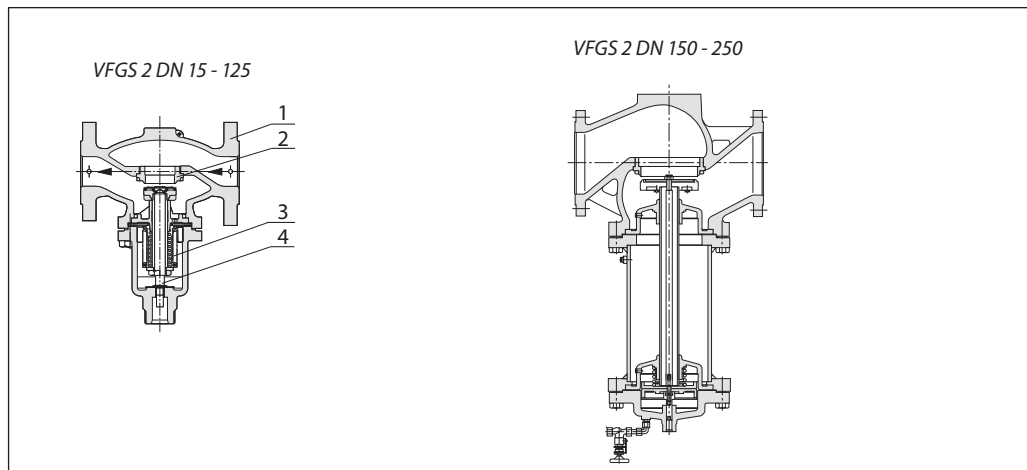
<sup>2)</sup> In combination with actuators AMV 613-Y60 (082G0617), k<sub>VS</sub> values are higher.

<sup>3)</sup> Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

<sup>4)</sup> In order the actuator can close at max differential pressure flow velocity musn't exceed 2 m/s.

**Design (VFGS 2)**

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert



**Ordering (VFU 2)**
*Opening valve, pressure relieved.*
**VFU 2 (metallic sealing cone)**

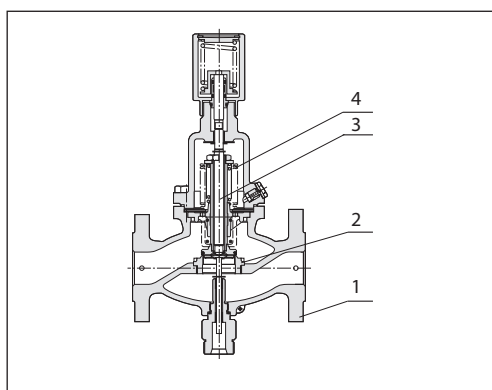
Picture	DN (mm)	$k_{vs}$ (m <sup>3</sup> /h)	$t_{max.}$ (°C)	Code No.
				PN 16
	15	4.0	200	<b>065B2738</b>
	20	6.3		<b>065B2739</b>
	25	8.0		<b>065B2740</b>
	32	16		<b>065B2741</b>
	40	20		<b>065B2742</b>
	50	32		<b>065B2743</b>
	65	50		<b>065B2744</b>
	80	80		<b>065B2745</b>
	100	125		<b>065B2746</b>
	125	160		<b>065B2747</b>

**Technical data (VFU 2)**

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125
$k_{vs}$ value	(m <sup>3</sup> /h)	4	6.3	8	16	20	32	50	80	125	160
z value acc. to VDMA 24 422		0.6	0.6	0.6	0.55	0.55	0.5	0.5	0.45	0.4	0.35
 $\Delta p_{max.}$ (bar) AFT..	PN 16	10							8		
 $\Delta p_{max.}$ (bar) AMV(E) 4..	PN 16	12							-		
 $\Delta p_{max.}$ (bar) AMV(E) 6..	PN 16	12							10	8	
Nominal pressure		PN 16, flanges to EN 1092-2									
Flow medium / Temperature		Circulation water / Glycolic water up to 30% / 2 ... 200 °C									
Pressure balance		Stainless steel bellow, mat. No.1.4571									
Valve body material		Grey cast iron EN-GJL-250 (GG-25)									
Cone material / Conical seal		Stainless steel, mat. No. 1.4404									
Seat material		Stainless steel, mat. No. 1.4021									

**Design (VFU 2)**

- 1 Valve body
- 2 Valve seat
- 3 Valve insert
- 4 Bellow



Ordering (VFG 33)

VFG 33 (mixing valve - pressure balanced)

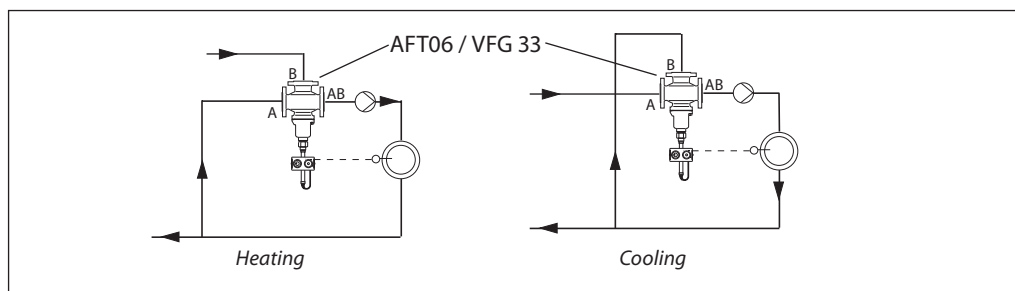
Picture	DN (mm)	k <sub>vs</sub> (m <sup>3</sup> /h)	t <sub>max.</sub> (°C)	Code No.	
				PN 16	PN 25
	25	8.0	200	<b>065B2598</b>	<b>065B2606</b>
	32	12.5		<b>065B2599</b>	<b>065B2607</b>
	40	20		<b>065B2600</b>	<b>065B2608</b>
	50	32		<b>065B2601</b>	<b>065B2609</b>
	65	50		<b>065B2602</b>	<b>065B2610</b>
	80	80		<b>065B2603</b>	<b>065B2611</b>
	100	125		<b>065B2604</b>	<b>065B2612</b>
	125	160		<b>065B2605</b>	<b>065B2613</b>

Technical data (VFG 33)

Nominal diameter	DN	25	32	40	50	65	80	100	125
k <sub>vs</sub> value	(m <sup>3</sup> /h)	8	12.5	20	32	50	80	125	160
	Δp <sub>max.</sub> <sup>1)</sup> (bar) VFG 33 / AFT	PN 16	16	16	16	14	12	10	10
		PN 25	18	18	16	14	12	10	10
Nominal pressure <sup>1)</sup>		PN 16 or 25, flanges to EN 1092-2							
Flow medium / Temperature		Circ.water / Glycolic water up to 30% / 2 ... 200 °C (350 °C with ZF4)							
Pressure balance		Stainless steel bellow, mat. No.1.4571							
Valve body material	PN 16,25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)							
Cone material		Stainless steel, mat. No. 1.4404							
Seat material		Stainless steel, mat. No. 1.4021							

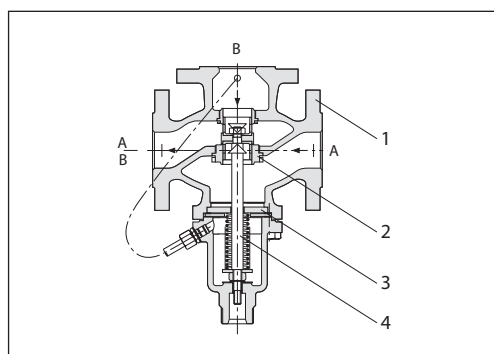
<sup>1)</sup> Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

Applications (VFG 33)



Design (VFG 33)

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert





Ordering (VFG 34)

VFG 34 (diverting valve - pressure balanced)

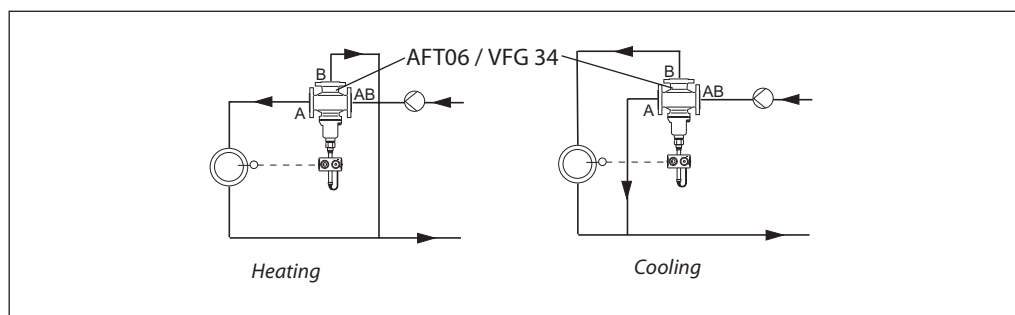
Picture	DN (mm)	k <sub>vs</sub> (m <sup>3</sup> /h)	t <sub>max.</sub> <sup>1)</sup> (°C)	Code No.	
				PN 16	PN 25
	25	8.0	200	<b>065B2614</b>	<b>065B2622</b>
	32	12.5		<b>065B2615</b>	<b>065B2623</b>
	40	20		<b>065B2616</b>	<b>065B2624</b>
	50	32		<b>065B2617</b>	<b>065B2625</b>
	65	50		<b>065B2618</b>	<b>065B2626</b>
	80	80		<b>065B2619</b>	<b>065B2627</b>
	100	125		<b>065B2620</b>	<b>065B2628</b>
	125	160		<b>065B2621</b>	<b>065B2629</b>

Technical data (VFG 34)

Nominal diameter	DN	25	32	40	50	65	80	100	125
k <sub>vs</sub> value	(m <sup>3</sup> /h)	8	12.5	20	32	50	80	125	160
	Δp <sub>max.</sub> <sup>1)</sup> (bar) VFG 34 / AFT	PN 16	16	16	16	14	12	10	10
		PN 25	18	18	16	14	12	10	10
Nominal pressure <sup>2)</sup>		PN 16 or 25, flanges to EN 1092-2							
Flow medium / Temperature		Circ.water / Glycolic water up to 30% / 2 ... 200 °C (350 °C with ZF4)							
Pressure balance		Stainless steel bellow, mat. No.1.4571							
Valve body material		PN 16,25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)						
Cone material		Stainless steel, mat. No. 1.4404							
Seat material		Stainless steel, mat. No. 1.4021							

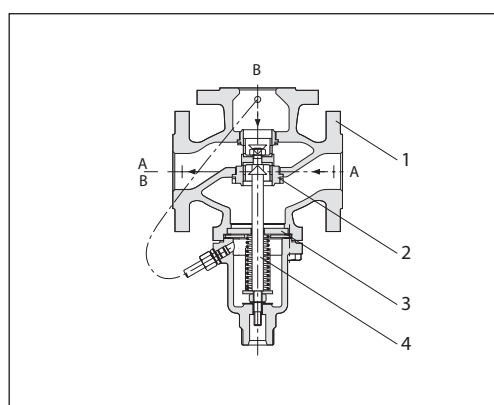
<sup>1)</sup> Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.

Applications (VFG 34)







Design (VFG 34)

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert



**Accessories**

Picture	Type	Note	Code No.				
	Comb. piece KF2	For combinations with thermostats	<b>003G1398</b>				
	Comb. piece KF3	For combinations with thermostats, pressure controllers and motorised actuators	<b>003G1397</b>				
	Valve stem extension ZF4	Only DN 15 - 125 For temperatures above 200 °C	<b>003G1394</b>				
	Valve stem extension ZF5	Only DN 15 - 125 For water, steam or oil above 200 °C	<b>003G1396</b>				
	Valve stem extension ZF6	For temperatures until 200 °C	<b>003G1393</b>				
Picture		DN	$k_{vs}$	reduced $k_{vs}$	Code No.		
	Flow divider for VFGS 2 (for noise reduction)	15	4	2.5	<b>065B2775</b>		
		20	6.3	4			
		25	8	6.3			
				32	16	10	<b>065B2776</b>
				40	20	16	
				50	32	25	
				65	50	40	<b>065B2778</b>
				80	80	63	
				100	125	100	<b>065B2779</b>
		125	160	125			

**Remark:**

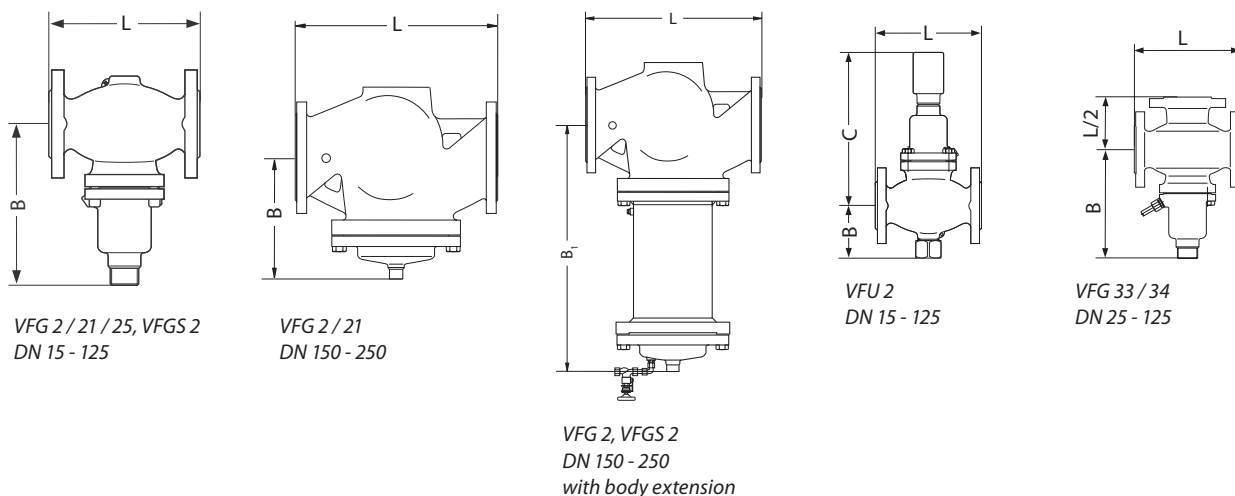
Temperature controller with thermostat AFT..:

This controller can be used until operating pressure of 14 bar. If the operating pressure is higher than 14 bar the valve stem extension ZF4, ZF6 or the combination piece KF2 must be used.

**Pressure / temperature table  
acc. EN 1092-2**

Nominal pressure	Material flange valves			Permitted operational pressure in bar subject to temperature in °C						
	Grey cast iron	Ductile iron	Cast steel	-10 ... 120 °C	150 °C	200 °C	250 °C	300 °C	350 °C	
PN 10	EN-GJL-250 (GG25)	-	-	10	9	8	7	6	-	
PN 16				16	14.4	12.8	11.2	9.6		
PN 10	-	EN-GJS-400-18-LT (GGG40.3)	-	10	9.5	9	8	7	5.5	
PN 16				16	15.2	14.4	12.8	11.2	8.8	
PN 25				25	23.8	22.5	20	17.5	13.8	
PN 16		-	-	GP240GH (GS-C25)	16	15.7	15.2	14.4	12.8	11.2
PN 25					25	24.5	23.8	22.5	20	17.5
PN 40					40	39	38	36	32	28

Dimensions



VFG 2 valve

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	
L		mm													
B		212	212	238	238	240	240	275	275	380	380	326	354	404	
Weight (valve)	PN16	6.2	6.8	8.9	11.5	14.5	17.2	28.6	31.9	60.4	67.0	117.5	193	337	
	PN25	6.2	7.0	9.4	11.5	14.2	17.3	29.3	31.8	59.5	65.5	-	-	-	
	PN40	6.6	7.6	10.3	12.4	16.1	18.2	32.1	34.5	69.6	79.5	146	263	346.6	
B1		mm										-	630	855	1205
Weight (valve with body ext.)	PN16	kg										-	152.5	273	515.5
	PN40	kg										-	150.5	328.5	475.5

VFG 21 valve

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
Weight (valve)	PN16	5.8	6.7	9.4	11.3	14.5	17.4	30.0	32.2	61.6	64.5	116.5	201.5	315.5
	PN25	6.5	7.6	9.3	11.7	13.7	17.6	29.3	32.6	62.6	72.5	-	-	-

VFGS 2 valve

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
Weight (valve)	PN16	6.2	6.8	9.3	11.6	14.8	17.1	29.7	32.0	62.1	65.5	-		
	PN25	6.0	7.1	9.3	11.1	14.5	17.2	30.0	32.6	60.0	65.3			
	PN40	6.6	7.8	9.3	12.4	15.6	18.1	32.8	35.1	70.1	76.0			
Weight (valve with body ext.)	PN16	kg										174.7	305.5	512.1
	PN40	kg										193.5	314.3	539.5

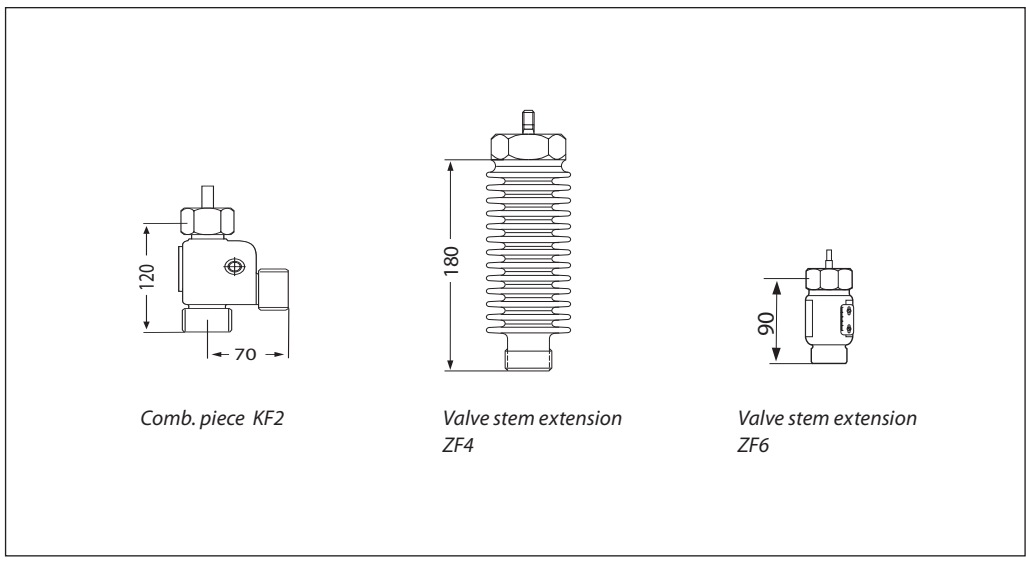
VFG 33/34 valves

DN		25	32	40	50	65	80	100	125
L	mm	160	180	200	230	290	310	350	400
B		238	238	240	240	275	275	380	380
Weight	kg	10.5	12	17	21	35	41	75	93

VFU 2 valve

DN		15	20	25	32	40	50	65	80	100	125
L	mm	130	150	160	180	200	230	290	310	350	400
B		95	95	106	106	123	123	135	135	165	165
C		306	306	332	332	334	334	369	369	474	474
Weight	kg	7.0	9.0	10	13	17	22	33	41	70	79

Dimensions



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