



Motorized control valves

VFG / VFGS 2 / VFU

Two- and three way valves for self-acting thermostats and electrical actuators

Description

Valves for heating, district heating and cooling systems.

The valves can be used with following actuators:

- Thermostats (TR) AFT...;
- Safety Temperature Monitor (STM) STFW;
- Actuators AMV(E) 655, 658, 659.

Features & benefits

- Compatible with self-acting thermostats and electrical actuators for versatile control.
- Pressure-relieved design ensures stable operation and extended service life.

Ordering

Product code numbers

Table: Type VFG 2

Type	Diameter [mm]	Kvs values [m ³ /h]	Connection types	Media temperature [°C] [Max]	Code number
VFG 2	15	4.00	Flange	200	065B2388
VFG 2	20	6.30	Flange	200	065B2389
VFG 2	25	8.00	Flange	200	065B2390
VFG 2	32	16.00	Flange	200	065B2391
VFG 2	40	20.00	Flange	200	065B2392
VFG 2	50	32.00	Flange	200	065B2393
VFG 2	65	50.00	Flange	200	065B2394
VFG 2	80	80.00	Flange	200	065B2395
VFG 2	100	125.00	Flange	200	065B2396
VFG 2	125	160.00	Flange	200	065B2397
VFG 2	150	280.00	Flange	150	065B2398
VFG 2	200	320.00	Flange	150	065B2399
VFG 2	250	400.00	Flange	150	065B2400
VFG 2	15	4.00	Flange	200	065B2401
VFG 2	20	6.30	Flange	200	065B2402
VFG 2	25	8.00	Flange	200	065B2403
VFG 2	32	16.00	Flange	200	065B2404
VFG 2	40	20.00	Flange	200	065B2405
VFG 2	50	32.00	Flange	200	065B2406
VFG 2	65	50.00	Flange	200	065B2407
VFG 2	80	80.00	Flange	200	065B2408
VFG 2	100	125.00	Flange	200	065B2409
VFG 2	125	160.00	Flange	200	065B2410
VFG 2	15	4.00	Flange	200	065B2411
VFG 2	20	6.30	Flange	200	065B2412
VFG 2	25	8.00	Flange	200	065B2413
VFG 2	32	16.00	Flange	200	065B2414
VFG 2	40	20.00	Flange	200	065B2415
VFG 2	50	32.00	Flange	200	065B2416
VFG 2	65	50.00	Flange	200	065B2417
VFG 2	80	80.00	Flange	200	065B2418
VFG 2	100	125.00	Flange	200	065B2419
VFG 2	125	160.00	Flange	200	065B2420
VFG 2	150	280.00	Flange	150	065B2421
VFG 2	200	320.00	Flange	150	065B2422
VFG 2	250	400.00	Flange	150	065B2423
VFG 2	150	280.00	Flange	150	065B2424
VFG 2	200	320.00	Flange	150	065B2425
VFG 2	250	400.00	Flange	150	065B2426

Table: Type VFG 21

Type	Diameter [mm]	Kvs values [m ³ /h]	Connection types	Media temperature [°C] [Max]	Code number
VFG 21	15	4.00	Flange	150	065B2502
VFG 21	20	6.30	Flange	150	065B2503
VFG 21	25	8.00	Flange	150	065B2504
VFG 21	32	16.00	Flange	150	065B2505
VFG 21	40	20.00	Flange	150	065B2506
VFG 21	50	32.00	Flange	150	065B2507
VFG 21	65	50.00	Flange	150	065B2508
VFG 21	80	80.00	Flange	150	065B2509

VFG 21	100	125.00	Flange	150	065B2510
VFG 21	125	160.00	Flange	150	065B2511
VFG 21	150	280.00	Flange	150	065B2512
VFG 21	200	320.00	Flange	150	065B2513
VFG 21	250	400.00	Flange	150	065B2514
VFG 21	250	400.00	Flange		065B2537

Table: Type VFGS 2

Type	Diameter [mm]	Kvs values [m³/h]	Connection types	Media temperature [°C] [Max]	Code number
VFGS 2	15	4.00	Flange	300	065B2430
VFGS 2	15	4.00	Flange	350	065B2443
VFGS 2	15	4.00	Flange	350	065B2453
VFGS 2	20	6.30	Flange	300	065B2431
VFGS 2	20	6.30	Flange	350	065B2444
VFGS 2	20	6.30	Flange	350	065B2454
VFGS 2	25	8.00	Flange	300	065B2432
VFGS 2	25	8.00	Flange	350	065B2445
VFGS 2	25	8.00	Flange	350	065B2455
VFGS 2	32	16.00	Flange	300	065B2433
VFGS 2	32	16.00	Flange	350	065B2446
VFGS 2	32	16.00	Flange	350	065B2456
VFGS 2	40	20.00	Flange	300	065B2434
VFGS 2	40	20.00	Flange	350	065B2447
VFGS 2	40	20.00	Flange	350	065B2457
VFGS 2	50	32.00	Flange	300	065B2435
VFGS 2	50	32.00	Flange	350	065B2448
VFGS 2	50	32.00	Flange	350	065B2458
VFGS 2	65	50.00	Flange	300	065B2436
VFGS 2	65	50.00	Flange	350	065B2449
VFGS 2	65	50.00	Flange	350	065B2459
VFGS 2	80	80.00	Flange	300	065B2437
VFGS 2	80	80.00	Flange	350	065B2450
VFGS 2	80	80.00	Flange	350	065B2460
VFGS 2	100	125.00	Flange	300	065B2438
VFGS 2	100	125.00	Flange	350	065B2451
VFGS 2	100	125.00	Flange	350	065B2461
VFGS 2	125	160.00	Flange	300	065B2439
VFGS 2	125	160.00	Flange	350	065B2452
VFGS 2	125	160.00	Flange	350	065B2462
VFGS 2	150	280.00	Flange	300	065B2440
VFGS 2	150	280.00	Flange	300	065B2463
VFGS 2	200	320.00	Flange	300	065B2441
VFGS 2	200	320.00	Flange	300	065B2464
VFGS 2	250	400.00	Flange	300	065B2442
VFGS 2	250	400.00	Flange	300	065B2465

Table: Type VFG 33

Type	Diameter [mm]	Kvs values [m³/h]	Connection types	Media temperature [°C] [Max]	Code number
VFG 33	25	8.00	Flange	200	065B2598
VFG 33	25	8.00	Flange	200	065B2606
VFG 33	32	12.50	Flange	200	065B2599
VFG 33	32	12.50	Flange	200	065B2607
VFG 33	40	20.00	Flange	200	065B2600
VFG 33	40	20.00	Flange	200	065B2608
VFG 33	50	32.00	Flange	200	065B2601
VFG 33	50	32.00	Flange	200	065B2609
VFG 33	65	50.00	Flange	200	065B2602
VFG 33	65	50.00	Flange	200	065B2610

VFG 33	80	80.00	Flange	200	065B2603
VFG 33	80	80.00	Flange	200	065B2611
VFG 33	100	125.00	Flange	200	065B2604
VFG 33	100	125.00	Flange	200	065B2612
VFG 33	125	160.00	Flange	200	065B2605
VFG 33	125	160.00	Flange	200	065B2613

Table: Type VFU 2

Type	Diameter [mm]	Kvs values [m ³ /h]	Connection types	Media temperature [°C] [Max]	Code number
VFU 2	15	4.00	Flange	200	065B2738
VFU 2	20	6.30	Flange	200	065B2739
VFU 2	25	8.00	Flange	200	065B2740
VFU 2	32	16.00	Flange	200	065B2741
VFU 2	40	20.00	Flange	200	065B2742
VFU 2	50	32.00	Flange	200	065B2743
VFU 2	65	50.00	Flange	200	065B2744
VFU 2	80	80.00	Flange	200	065B2745
VFU 2	100	125.00	Flange	200	065B2746
VFU 2	125	160.00	Flange	200	065B2747

Note:

For detailed temperature limits refer to pressure/temperature diagram in [Pressure and temperature data](#).

Note for VFG 2:

Cone: metal /metal sealing, pressure relieved.

Note for VFG 21:

Cone: soft sealing, pressure relieved.

Note for VFGS 2 - for steam:

1. Cone: metal / metal sealing, pressure relieved.
2. DN 150, DN 200, DN 250: Valve has valve body extension (VBE) and pre-installed flow divider.

Note for VFG 33:

1. Above operating pressure of 14 bar use of valve stem extension ZF4, ZF6 or combination piece KF2 is necessary.
2. To ensure the actuator can close at max differential pressure flow velocity must not exceed 2 m/s.
3. The adapter **065B3527** for combination with AMV(E) 655, 658, 659 is mandatory.

Accessories code numbers

Table: Type Adapters, Combination pieces, Flow dividers, Stem extensions

Type	Description	Code number
Stem extensions	Stem extension ZF 6, AF range	003G1393
Stem extensions	Stem extension ZF 4, AF range	003G1394
Stem extensions	Stem extension ZF 4, FKM, AF range	003G1395
Stem extensions	Stem extension ZF 5, AF range	003G1396
Combination pieces	Combination pieces KF2 2 x G 1 1/4" Combination pieces KF2, 3 x G 1 1/4"	003G1440
Combination pieces	Combination pieces KF3, 2 x G 1 1/4" Combination pieces KF3, 3 x G 1 1/4"	003G1441
Flow dividers	Flow divider for VFGS2 valves DN15, 20	065B2775
Flow dividers	Flow divider for VFGS2 valves DN25, 32	065B2776
Flow dividers	Flow divider for VFGS2 valves DN40, 50	065B2777
Flow dividers	Flow divider for VFGS2 valves DN65, 80	065B2778
Flow dividers	Flow divider for VFGS2 valves DN100, 125	065B2779
Adapters	Adapter 3 VFG(S), AFQM6, AFQM PN25	065B3527

Remark:

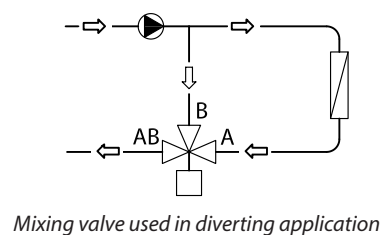
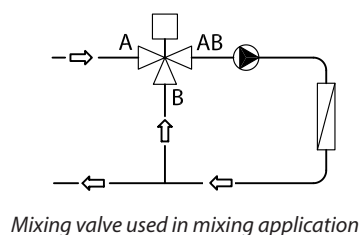
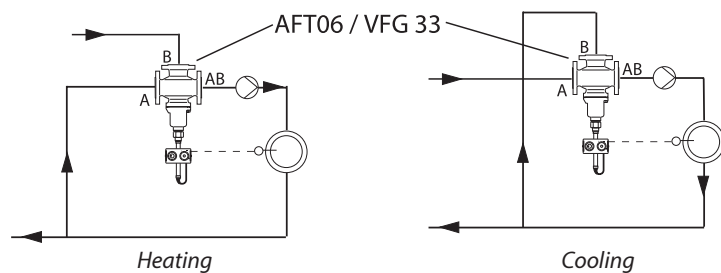
Temperature controller with thermostat AFT..:

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.

Overview

Application examples

VFG 33 Applications



Product details

General data

VFG 2 technical data

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250
k_{vs} value	(m ³ /h)	4	6.3	8	16	20	32	50	80	125	160	280 320 ¹⁾	320 450 ¹⁾	400 630 ¹⁾
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_{max} ²⁾ (bar) AFT	PN 16	16	16	16	16	16	16	16	16	16	15	-	-	-
	PN 25, 40	20	20	20	20	20	20	20	20	20	15	-	-	-
Δp_{max} ³⁾ (bar) AMV(E) 655, 658, 659 ⁴⁾	PN 16	16	16	16	16	16	16	16	16	16	15	12	10	10
	PN 25, 40	20	20	20	20	20	20	20	20	20	15	15	10	10
Nominal pressure ²⁾		PN 16, 25 flanges to EN 1092-2 or 40, flanges to EN 1092-1												
Flow media/Temperature	PN 16	Circulation water / Glycolic water up to 30% / thermo oil / 2 ... 150 °C												
	PN 25, 40	Circulation water / Glycolic water up to 30% / thermo oil / 2 ... 200 °C												
Pressure balance		Stainless steel bellow, mat. No.1.4571										Rolling diaphragm		

¹⁾ In combination with actuators AMV(E), k_{vs} values are higher if Y60 piece is removed from valve.

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

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

⁴⁾ With adapter: **065B3527** (Adapter for combination with AMV(E) 655, 658, 659 mandatory)

VFG 21 technical data

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250
k_{vs} value	(m ³ /h)	4	6.3	8	16	20	32	50	80	125	160	280 320 ¹⁾	320 450 ¹⁾	400 630 ¹⁾
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_{max} ²⁾ (bar)	PN 16	16	16	16	16	16	16	16	16	15	15	-	-	-
Δp_{max} ³⁾ (bar) AMV(E) 655, 658, 659 4)	PN 16	16	16	16	16	16	16	16	16	15	15	12	10	10
Δp_{max} ³⁾ (bar) AMV(E) 655, 658, 659 4)	PN 25	20	20	20	20	20	20	20	20	15	15	12	10	10
Nominal pressure ²⁾		PN 16 or 25, flanges to EN 1092-2												
Flow media/Temperature	°C	Circulation water / Glycolic water up to 30 % / 2 ... 150 °C												
Pressure balance		Stainless steel bellow, mat. No.1.4571										Rolling diaphragm		

¹⁾ In combination with actuators AMV(E), k_{vs} values are higher if Y60 piece is removed from valve.

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

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

⁴⁾ With adapter: **065B3527** (Adapter for combination with AMV(E) 655, 658, 659 mandatory).

VFGS 2 technical data

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	250
k_{vs} value	(m ³ /h)	4	6.3	8	16	20	32	50	80	125	160	280 320 ²⁾	320 450 ²⁾	400 630 ²⁾
k_{vs} value ¹⁾	(m ³ /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
$\Delta p_{max.}$ ³⁾ (bar) AFT	PN 16	16	16	16	16	16	16	16	16	15	15	-	-	-
$\Delta p_{max.}$ ³⁾ (bar) AFT	PN 25, 40	20	20	20	20	20	20	20	20	15	15	-	-	-
$\Delta p_{max.}$ ⁴⁾ (bar) AMV(E) 655, 658, 659 ⁵⁾	PN 16	16	16	16	16	16	16	16	16	15	15	12	10	10
$\Delta p_{max.}$ ⁴⁾ (bar) AMV(E) 655, 658, 659 ⁵⁾	PN 25, 40	20	20	20	20	20	20	20	20	15	15	12	10	10
Nominal pressure ³⁾		PN 16, 25 flanges to EN 1092-2 or 40, flanges to EN 1092-1												
Flow media/Temperature	PN 16	Steam / max. 150 °C										Steam / max. 300 °C		
Flow media/Temperature	PN 25, 40	Steam / max. 350 °C										Steam / max. 300 °C		
Pressure balance		Stainless steel bellows, mat. No.1.4571										Rolling diaphragm		

¹⁾ Valves with flow divider for noise reduction (see accessories).

²⁾ In combination with actuators AMV(E), k_{vs} values are higher if Y60 piece is removed from valve.

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

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

⁵⁾ With adapter: **065B3527** (Adapter for combination with AMV(E) 655, 658, 659 mandatory).

VFG 33 technical data

Nominal diameter	DN	25	32	40	50	65	80	100	125
k_{vs} value	(m ³ /h)	8	12.5	20	32	50	80	125	160
$\Delta p_{max.}$ ¹⁾ (bar) AFT	PN 16	16	16	16	14	12	10	10	10
	PN 25	18	18	16	14	12	10	10	10
$\Delta p_{max.}$ ²⁾ (bar) AMV(E) 655, 658, 659 ³⁾	PN 16	16	16	16	16	16	16	15	15
	PN 25, 40	20	20	20	20	20	20	15	15
Nominal pressure ¹⁾		PN 16 or 25, flanges to EN 1092-2							
Flow media/Temperature	PN 16	Circ.water / Glycolic water up to 30 % / 2 ... 150 °C							
Flow media/Temperature	PN 25	Circ.water / Glycolic water up to 30 % / 2 ... 200 °C							
Pressure balance		Stainless steel bellows, mat. No.1.4571							

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

²⁾ In order the actuator can close at max differential pressure flow velocity mustn't exceed 2 m/s.

³⁾ With adapter: **065B3527** (Adapter for combination with AMV(E) 655, 658, 659 mandatory).



VFU 2 technical data

Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125
k_{VS} value	(m ³ /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
Δp_{max} (bar) AFT...	PN 16	10	10	10	10	10	10	10	10	8	8
Δp_{max} (bar) AMV(E) 655, 658, 659 ¹⁾	PN 16	12	12	12	12	12	12	12	10	8	8
Nominal pressure	PN 16, flanges to EN 1092-2										
Flow media/Temperature	Circulation water / Glycolic water up to 30 % / 2 ... 150 °C										
Pressure balance	Stainless steel bellows, mat. No.1.4571										

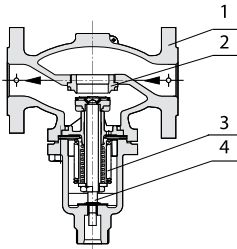
¹⁾ With adapter: **065B3527** (Adapter for combination with AMV(E) 655, 658, 659 mandatory).

Design

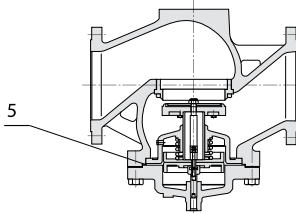
VFG 2 design

- 1 Valve body
- 2 Valve seat
- 3 Bellows
- 4 Valve insert
- 5 Diaphragm
- 6 Valve body extension
- 7 Shut off valve for water filling
- 8 Closing plug

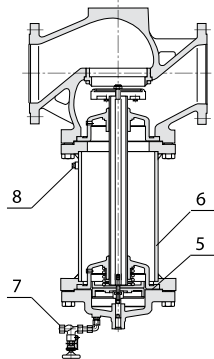
VFG 2 DN 15-125



VFG 2 DN 150-250



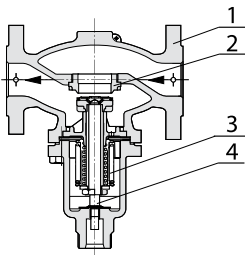
VFG 2 DN 150-250, T_{max} 200 °C



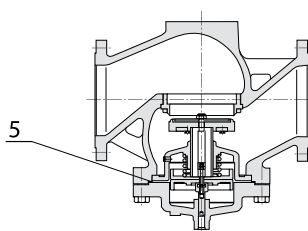
VFG 21 design

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

VFG 21 DN 15-125



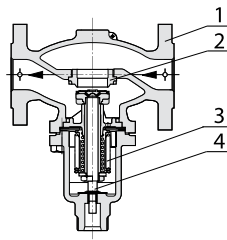
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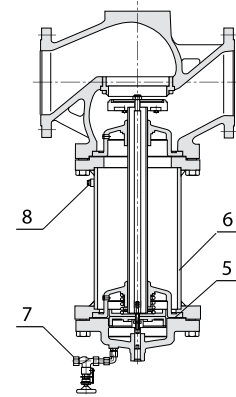
VFGS 2 design

- 1 Valve body
- 2 Valve seat
- 3 Bellow
- 4 Valve insert
- 5 Diaphragm
- 6 Valve body extension
- 7 Shut off valve for water filling
- 8 Closing plug

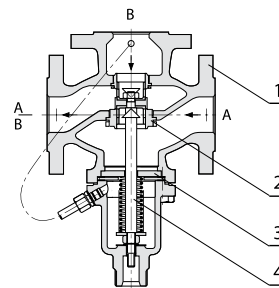
VFGS 2 DN 15-125



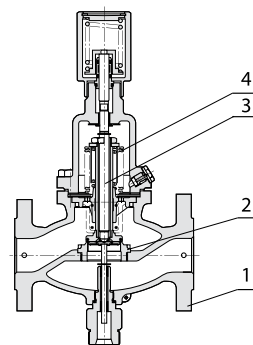
VFGS 2 DN 150-250

**VFG 33 design**

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

**VFU 2 design**

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



Materials

VFG 2 materials

Nominal diameter, DN	15, 20, 25, 32, 40, 50, 65, 80, 100, 125	150, 200, 250
Valve body material, PN 16	Grey cast iron EN-GJL-250 (GG-25)	Grey cast iron EN-GJL-250 (GG-25)
Valve body material, PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)	Ductile iron EN-GJS-400-18-LT (GGG-40.3)
Valve body material, PN 40	Cast steel GP240GH (GS-C 25)	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

VFG 21 materials

Nominal diameter, DN	15, 20, 25, 32, 40, 50, 65, 80, 100, 125	150, 200, 250
Valve body material, PN 16	Grey cast iron EN-GJL-250 (GG-25)	Grey cast iron EN-GJL-250 (GG-25)
Valve body material, PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)	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	EPDM

VFGS 2 materials

Nominal diameter, DN	15, 20, 25, 32, 40, 50, 65, 80, 100, 125	150, 200, 250
Valve body material, PN 16	Grey cast iron EN-GJL-250 (GG-25)	Grey cast iron EN-GJL-250 (GG-25)
Valve body material, PN 25	Ductile iron EN-GJS-400-18-LT (GGG-40.3)	Ductile iron EN-GJS-400-18-LT (GGG-40.3)
Valve body material, PN 40	Cast steel GP240GH (GS-C 25)	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	Stainless steel, mat. No. 1.4021

VFG 33 materials

Nominal diameter, DN	25, 32, 40, 50, 65, 80, 100, 125
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

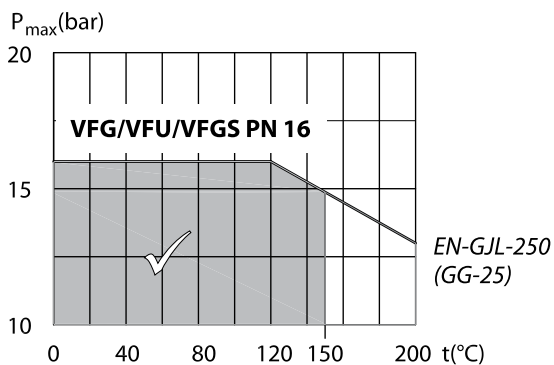
VFU 2 materials

Nominal diameter, DN	15, 20, 25, 32, 40, 50, 65, 80, 100, 125
Valve body material	Grey cast iron EN-GJL-250 (GG-25)
Cone material	Stainless steel, mat. No. 1.4404
Seat material	Stainless steel, mat. No. 1.4021

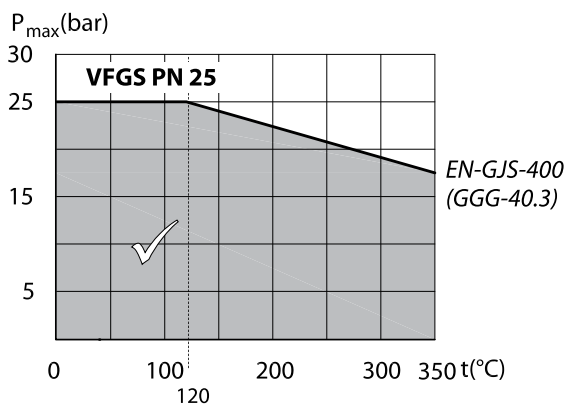
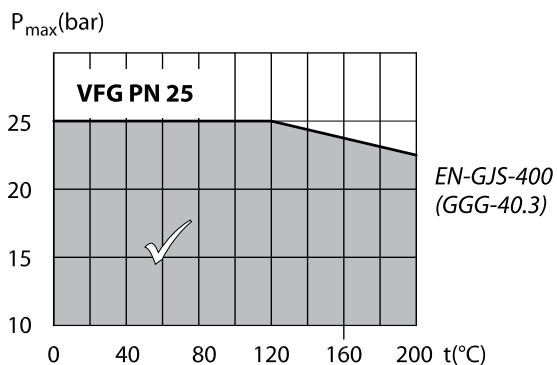
Pressure and temperature data

Pressure temperature diagram

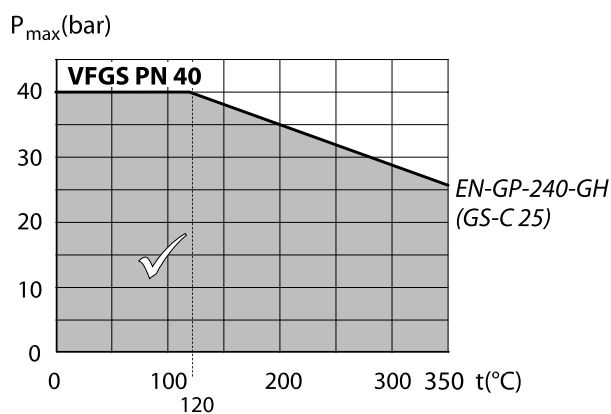
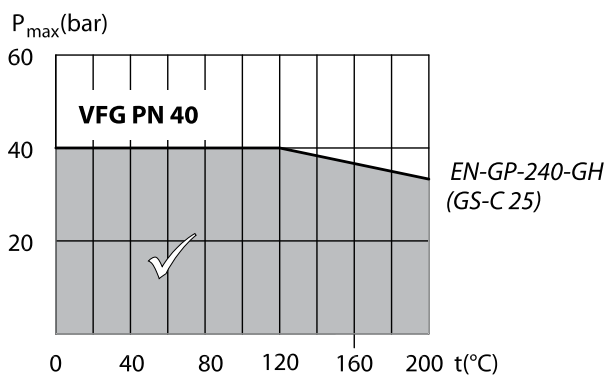
Working area is below P-T line and it ends at T_{max} for each valve



Maximum allowed operating pressure as a function of media temperature (according to EN 1092-2).



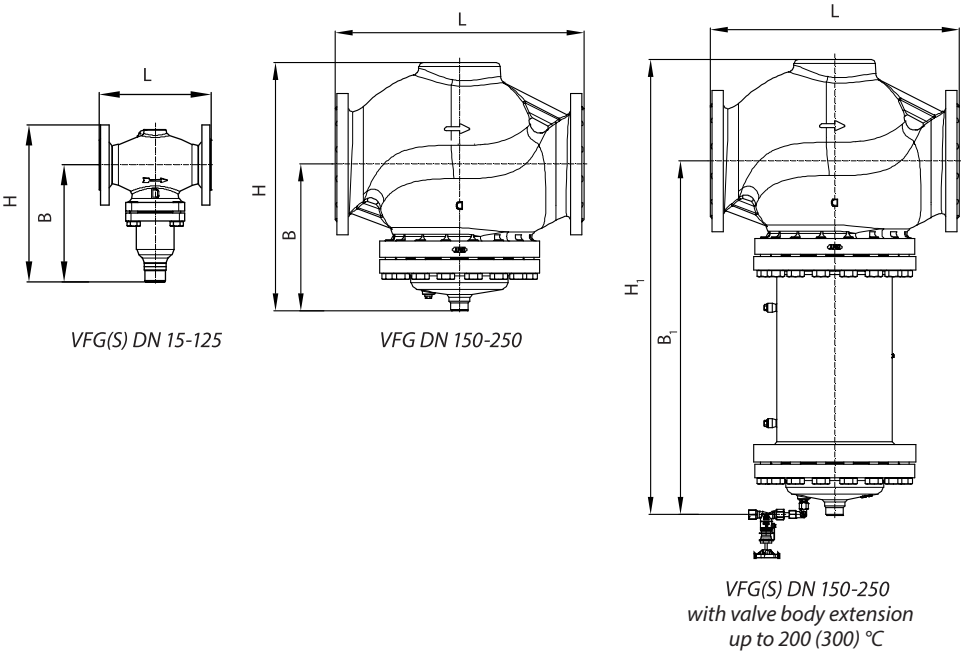
Maximum allowed operating pressure as a function of media temperature (according to EN 1092-2).



Maximum allowed operating pressure as a function of media temperature (according to EN 1092-1).

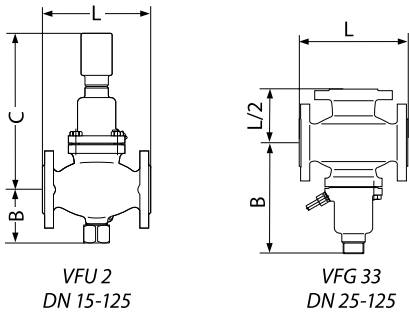


Dimensions



VFG 2, VFG 21, VFGS 2 Valves

DN		15	20	25	32	40	50	65	80	100	125	150	200	250
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	730
B	mm	213	213	239	239	241	241	276	276	381	381	326	354	401
H	mm	267	267	304	304	323	323	370	370	505	505	505	591	661
Weight, PN 16 / 25	kg	7.5	8.5	10	12	15	18	27.5	30	58	68	115	185	323
Weight, PN 40	kg	7.5	8.5	10	12	15	18	30	32.5	60.5	69	141	253	333
B ₁	mm	-	-	-	-	-	-	-	-	-	-	620	852	1199
H ₁	mm	-	-	-	-	-	-	-	-	-	-	700	994	1359
Weight (valve with body extension), PN 16 / 25	kg	-	-	-	-	-	-	-	-	-	-	154	301	469
Weight (valve with body extension), PN 40	kg	-	-	-	-	-	-	-	-	-	-	179	336	505

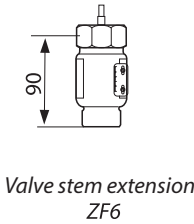
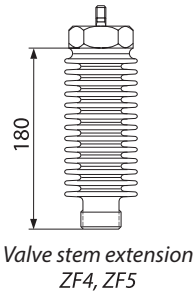
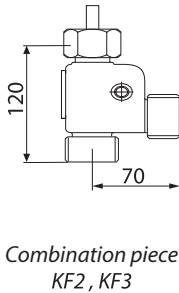


VFG 33 valves

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



Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Issuer	Approval topic
EAC Declaration	EAC KZ 7100841.13.12.02339	EAC - Eurasian Customs Union	MD
UA Declaration	Danfoss UA 10.01.23 Heat Control Valves	Danfoss	
Export Control Declaration	Actuators pressure flow and temperature	Danfoss	
Pressure Safety Certificate	Certificate B (UA.TR.131.B.2655-26) Control valves	Academtest LLC	Pressure
Pressure Safety Certificate	Certificate D (UA.TR.131.B.2655-26) Control valves	Academtest LLC	Pressure
Pressure Safety Certificate	Declaration Control valves	Danfoss	Pressure
EU Declaration	PL08-28_230612EN0854103_EU declaration of conformity_rev6_Control Valves.docx.pdf	Danfoss	Pressure
EU Declaration	Packaging EU Declaration of Conformity 260707EN0801	Danfoss	Packaging

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