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Technical Datasheet

Type 5-Series Diaphragm Valve



Manual-actuated Diaphragm Valves 5-Series (Types 514–519) provide a dead-space-free, fully drainable, and surge-free shutoff for precise regulation and closing of volume flows in water treatment, microelectronics, and chemical process applications. Electric and pneumatic actuator versions are available for automated operation. All variants are suitable for liquids and gases, including contaminated, solid-containing, and ultrapure media.

- Full plastic construction without metal screws to prevent corrosion
- Dead-space-free, fully drainable, and surge-free shutoff
- High flow coefficient (Kv) with linear control characteristics for precise regulation
- Optional black housing nut for increased pressure performance in water applications
- Compatible with pneumatic (DIASTAR) and electric (e-DIASTAR) actuators for automated operation

Technical data

Specifications		Type 514	Type 515	Type 517	Type 519
					
Connection		Unions Solvent cement sockets, threaded sockets, fusion sockets, unions with butt fusion spigots	Spigots Solvent cement spigots, socket fusion spigots, butt fusion spigots	Flanges Fixed flange, backing flanges	3-way branched valve Butt fusion spigots
Dimensions		d16/DN10–d63/DN50 ¾" - 2"	d20/DN15–d63/DN50 ½" - 2"	d20/DN15–d63/DN50 ½" - 2"	d20/DN15–d160/DN150 ½" - 6"
Valve body material	PN10	PVC-U, PVC-C, ABS, PP-H, PVDF, PVDF-HP	PVC-U, PVC-C, ABS, PP-H, PP-N, PVDF, PVDF-HP, PEEK	PVC-U, PVC-C, PP-H, PVDF, PVDF-HP	PP-H, PP-N, PVDF-HP, PEEK
	PN16 ¹⁾	PVC-U, PVDF, PVDF-HP	PVC-U, PVDF, PVDF-HP, PEEK	PVC-U, PVDF, PVDF-HP	PVDF-HP, PEEK
Housing nut material	PN10	PPGF 30 (orange standard housing nut)			
	PN16	PPSGF40 (black housing nut, only for water applications)			
Diaphragm material		NBR, EPDM, PTFE, FKM			
Gasket material		EPDM, FKM			
Pressure level		PN10 / PN16			
Operating temperature ²⁾		Depending on valve body and housing nut material			
	PVC-U	0 to 60°C (32°F to 140°F)			
	PVC-C	0 to 80°C (32°F to 176°F)			
	ABS	-30 to 60°C (-22°F to 140°F)			
	PP	0 to 80°C (32°F to 176°F)			
	PVDF	-20 to 140°C (-4°F to 284°F)			
	PEEK	-20 to 140°C (-4°F to 284°F)			
Approved media		Liquid and gaseous media which, in normal operation, does not adversely affect the physical and chemical properties of the respective housing and diaphragm material. The chemical resistance depends on the selected material (see online tool ChemRes PLUS).			
Actuation variants		Manually operated			
Product standard		Optional: pneumatic actuated (see DIASTAR), electric actuated (see e-DIASTAR)			
Test standard		EN ISO 16138			
Approvals		ISO 9393-2, EN 12266-1 (leakage rate A)			
		ACS ³⁾ , FDA ³⁾ , DIBt			



¹⁾ Dependant from connection variant.

²⁾ Valve body material, according to pressure-temperature diagram. Temperature ranges may vary depending on the seal material combination.

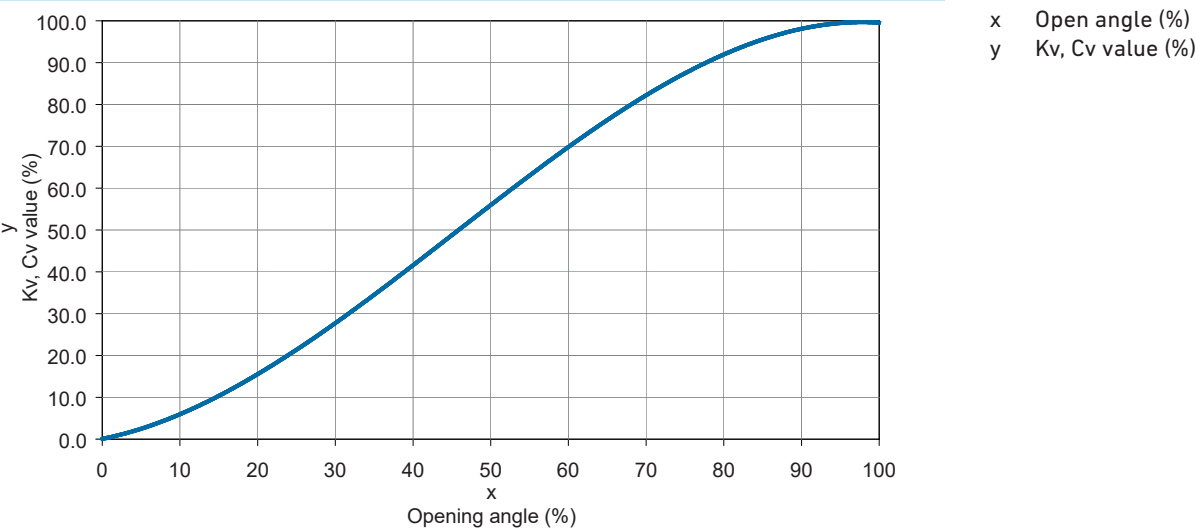
³⁾ Certification temporarily unavailable; requalification in progress.

Flow characteristics

Type 514 – 517

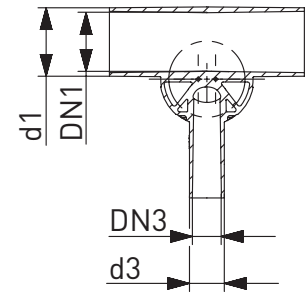
DN (mm)	d (mm)	Size (inch)	Kv 100 (l/min)	Cv 100 (US gal/min)	Kv 100 (m³/h)
15	20	½	125	9	8
20	25	¾	271	19	16
25	32	1	481	33	29
32	40	1 ¼	759	52	45
40	50	1 ½	1'263	87	76
50	63	2	1'728	119	104

Flow characteristics at opening angle

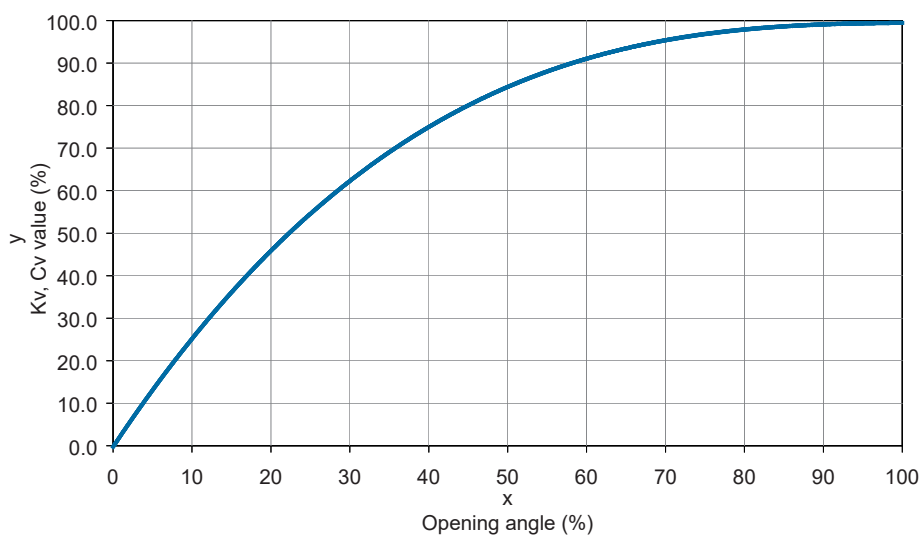


Type 519

DN1 (mm)	d1 (mm)	Inch1 (")	DN3 (mm)	d3 (mm)	Inch3 (")	Kv 100 (l/min)	Cv 100 (US gal/min)	Kv 100 (m³/h)
15	20	½	15	20	½	57	4	3
20	25	¾	15	20	½	89	6	5
20	25	¾	20	25	¾	118	8	7
25	32	1	15	20	½	80	6	5
25	32	1	20	25	¾	105	7	6
25	32	1	25	32	1	231	16	14
32	40	1 ¼	15	20	½	85	6	5
32	40	1 ¼	20	25	¾	119	8	7
32	40	1 ¼	25	32	1	153	11	9
32	40	1 ¼	32	40	1 ¼	187	13	11
40	50	1 ½	15	20	½	86	6	5
40	50	1 ½	20	25	¾	160	11	10
40	50	1 ½	25	32	1	206	14	12
40	50	1 ½	32	40	1 ¼	524	36	31
40	50	1 ½	40	50	1 ½	667	46	40
50	63	2	15	20	½	84	6	5
50	63	2	20	25	¾	150	11	9
50	63	2	25	32	1	184	13	11
50	63	2	32	40	1 ¼	471	32	28
50	63	2	40	50	1 ½	610	42	37
50	63	2	50	63	2	747	52	45
80	90	3	15	20	½	82	6	5
80	90	3	20	25	¾	103	7	6
80	90	3	25	32	1	129	9	8
80	90	3	40	50	1 ½	623	43	37
80	90	3	50	63	2	696	48	42
100	110	4	15	20	½	78	5	4
100	110	4	20	25	¾	103	7	6
100	110	4	25	32	1	131	9	8
100	110	4	40	50	1 ½	604	42	36
100	110	4	50	63	2	661	46	40
125	140	5	25	32	1	146	10	9
125	140	5	32	40	1 ¼	382	26	23
125	140	5	40	50	1 ½	440	30	26
125	140	5	50	63	2	502	35	30
150	160	6	25	32	1	139	10	8
150	160	6	32	40	1 ¼	382	26	23
150	160	6	40	50	1 ½	436	30	26
150	160	6	50	63	2	498	34	30



Flow characteristics at opening angle



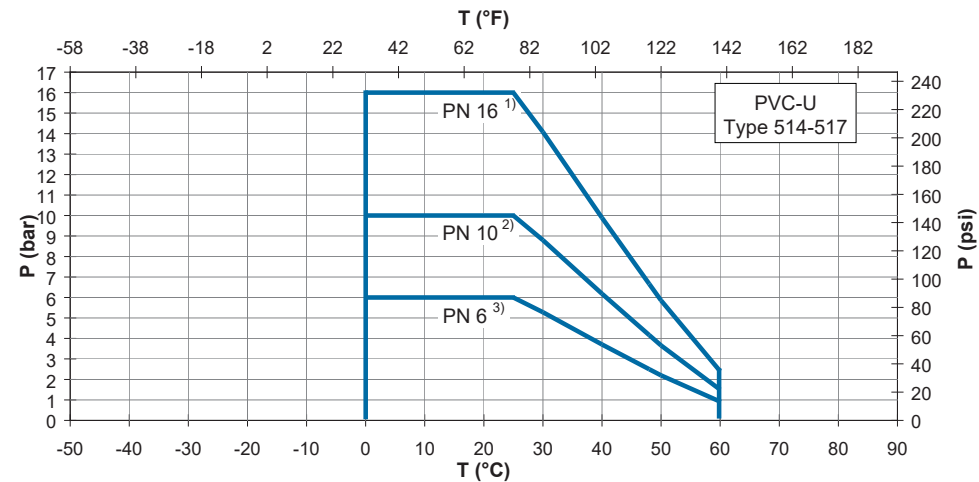
x Open angle (%)
y Kv, Cv value (%)

Pressure-temperature diagrams

T Temperature (°C, °F)

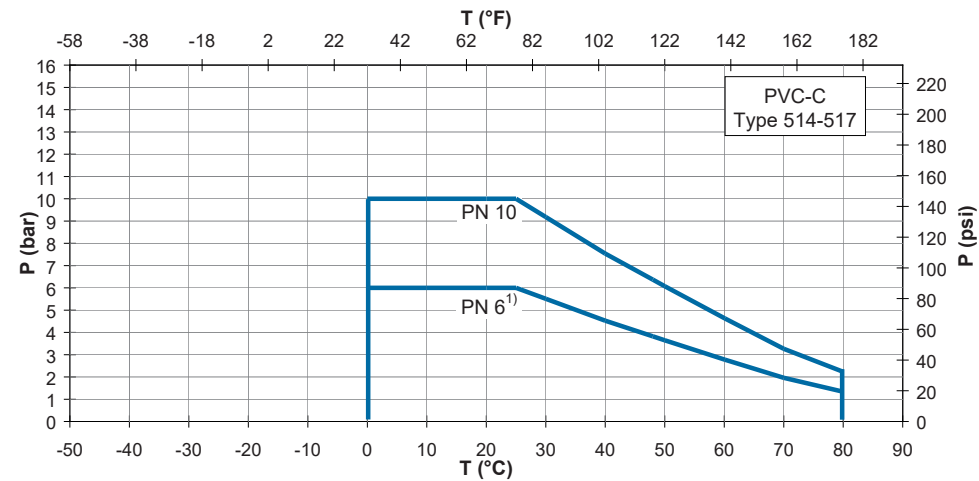
P Permissible pressure (bar, psi)

PVC-U



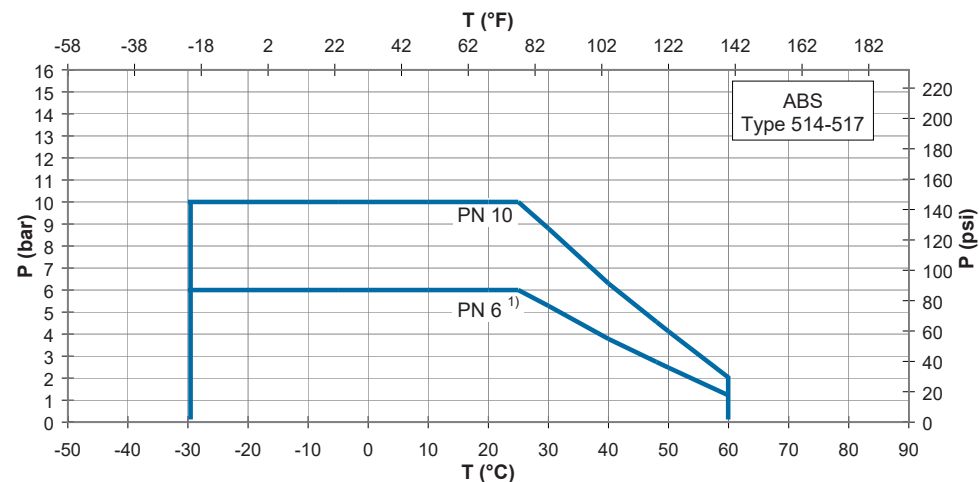
- 1) Only with black PPS housing nut for water applications
- 2) Depending on the connection type and actuator, the nominal pressure is reduced to PN10
- 3) Depending on the connection type and actuator, the nominal pressure is reduced to PN6

PVC-C



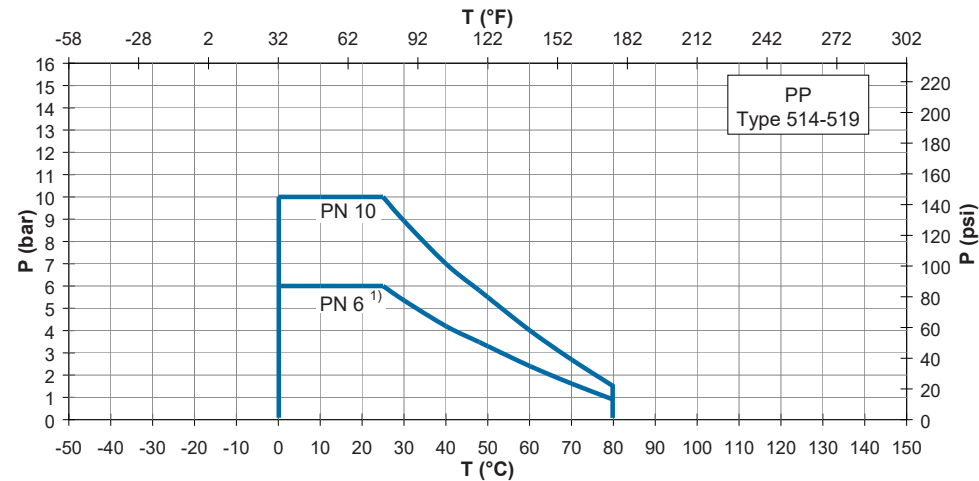
- 1) Depending on the connection type and actuator, the nominal pressure is reduced to PN6

ABS



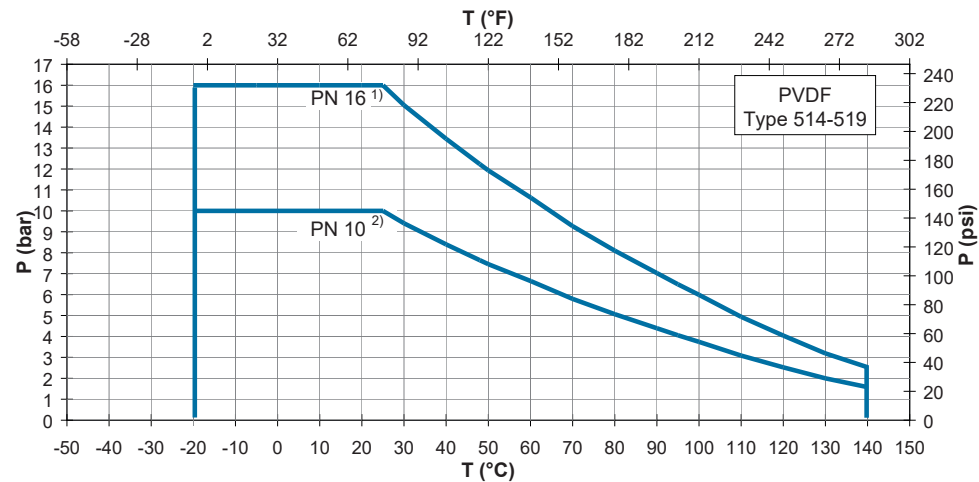
- 1) Depending on the connection type and actuator, the nominal pressure is reduced to PN6

PP



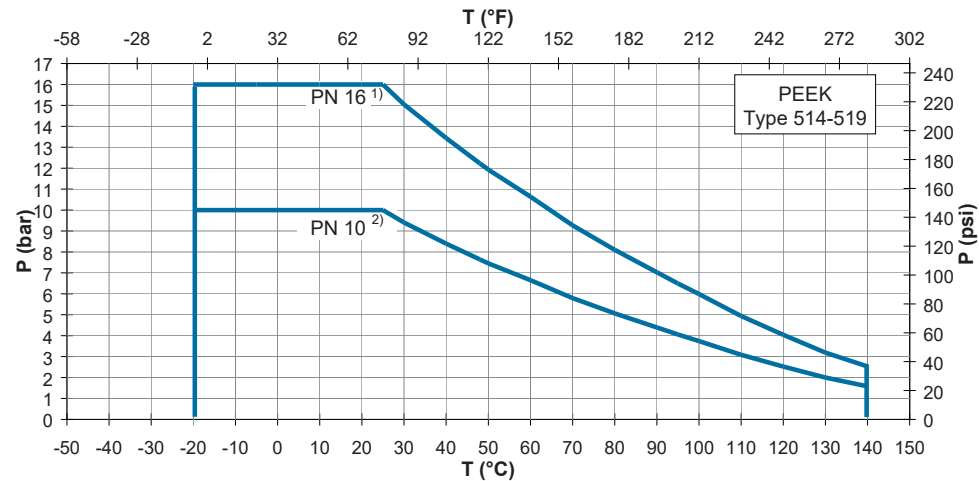
¹⁾ Depending on the connection type, actuator and sealing material, the nominal pressure is reduced to PN6

PVDF



¹⁾ Only with black PPS housing nut for water applications
²⁾ Depending on the connection type and actuator, the nominal pressure is reduced to PN10

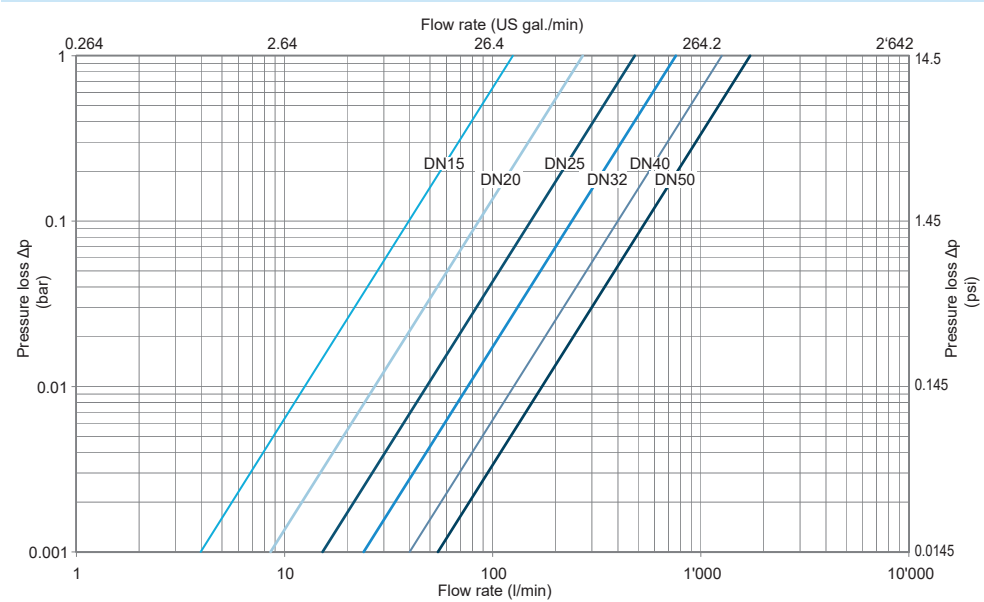
PEEK



¹⁾ Only with black PPS housing nut for water applications
²⁾ Depending on the connection type and actuator, the nominal pressure is reduced to PN10

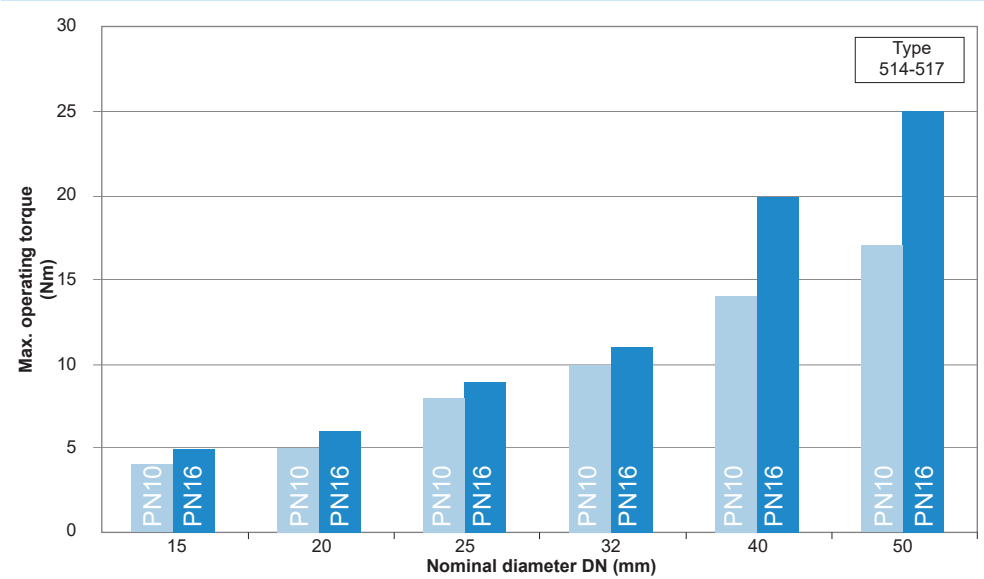
Pressure losses

Type 514 – 517



Operating torque

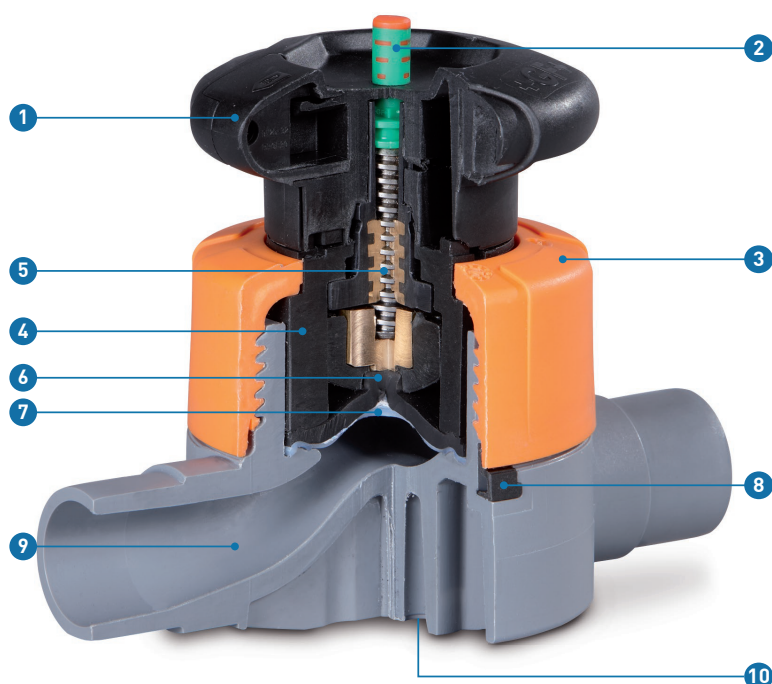
Type 514 – 517



Product description

The housing nut (3) is screwed to the valve body (9), which avoids exposed metal screws. The handwheel (1) is lockable as a standard. The two-colored position indicator (2) indicates the current opening position of the diaphragm.

Components



- 1 Handwheel lockable
- 2 Diaphragm position indicator
- 3 Housing nut
- 4 Inner housing
- 5 Spindle
- 6 Pressure piece
- 7 Diaphragm
- 8 Diaphragm material indicator
- 9 Valve body
- 10 Metal mounting bushings



- 1 Handwheel
- 2 Locking part
- 3 Housing nut
- 4 Inner housing
- 5 Diaphragm position indicator
- 6 Pressure piece
- 7 Diaphragm
- 8 Valve body
- 9 Connecting parts
- 10 Union nut (type 514)

Central housing nut

Orange standard housing nut
PN10



PPGF 30

Black housing nut
PN16*



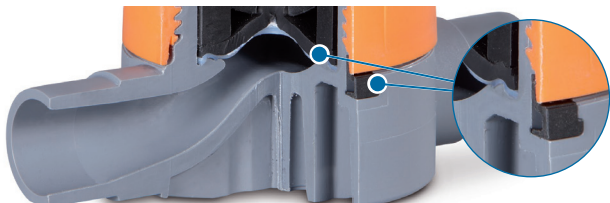
PPSGF40

* Only for water applications

Diaphragm material indicator

The color of the index plate on the valve body shows the diaphragm material type:

Diaphragm material index plate



Color	Diaphragm material
Black	EPDM
White	PTFE/EPDM
Red	FKM
Blue	NBR

Diaphragm/O-ring gasket combinations

Further combinations on request.

Diaphragm material	O-ring material
EPDM	EPDM
PTFE/EPDM	FKM
FKM	FKM
NBR	EPDM

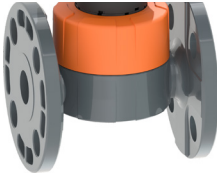
Integrated mounting bushings

Mounting bushings



ENSAT® bushings on the underside of the valve allow simple and stable attachment. With this, the forces that can occur when operating the valve (e.g. breakaway torque) are absorbed and therefore not transferred to the piping system.

Connection variants

Type 514	Type 515	Type 517	Type 519
			
Unions <ul style="list-style-type: none"> • Solvent cement sockets • Threaded sockets • Fusion sockets • Butt fusion spigots 	Spigots <ul style="list-style-type: none"> • Solvent cement spigots • Socket fusion spigots • Butt fusion spigots 	Flanges <ul style="list-style-type: none"> • Fixed flange • Backing flanges 	3-way branched valve <ul style="list-style-type: none"> • Butt fusion spigots

Installation notes

- Thermal expansion due to temperature changes can lead to longitudinal or bending forces in the pipe
- Install the diaphragm valve as a fixed point. Install the pipe bracket directly after the diaphragm valve
- Only use the specified control pressures and use the diaphragm valve in optimum regulating mode

Selection of lubricants

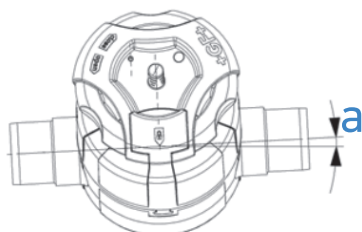
Gaskets and spare parts can be mounted with silicon-based grease. Other lubricants may corrode the diaphragm valve material or diaphragm.

i Never use mineral-oil-based grease or Vaseline. Pay attention to special instructions for silicon-free and High Purity diaphragm valves.

Installation angle for optimal draining of the valve

To achieve optimal draining, GF Industry & Infrastructure Flow Solutions recommends installing the individual dimensions in accordance with the corresponding angle (a and b). An installation inclination of about 1° to 2° is not taken into consideration with the stated angles.

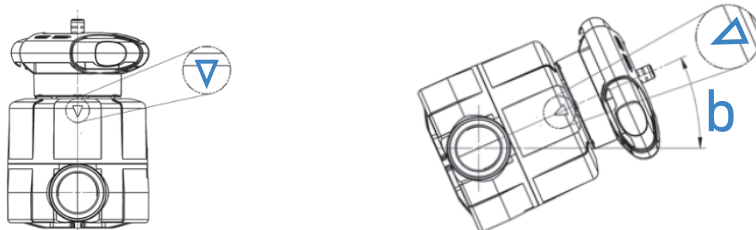
Angle a for types 514, 515, 517



Dimension	Max. angle a (°)
d20/DN15	2
d25/DN20	2
d32/DN25	3
d40/DN32	4
d50/DN40	5
d63/DN50	7

Angle b for types 514, 515, 517

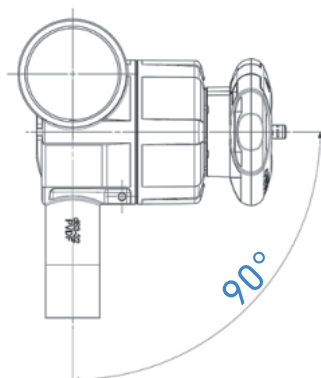
Optimum angle with one of the triangle legs horizontal.



Dimension	Max. angle b (°)
d20/DN15	27
d25/DN20	24
d32/DN25	25
d40/DN32	23
d50/DN40	24
d63/DN50	22

Emptying angle for type 519 (3-way branched valve)

Optimal emptying angle type 519

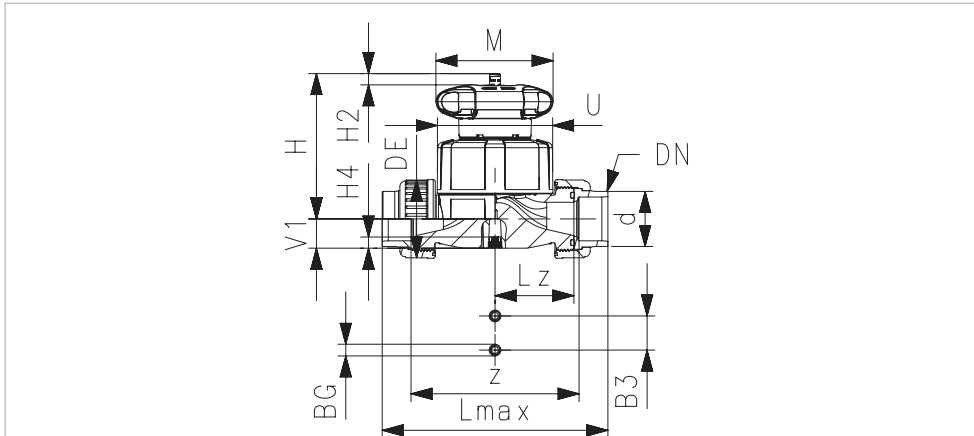


Optimal emptying angle is 90°, independent of the dimension

⚠ Installation and maintenance must be performed according to the corresponding installation instructions. The installation manual is included with the product and can also be found at www.gfps.com/is-manuals-valves

Dimensions and Ordering - Type 514

Type 514 - Unions with sockets



DN (mm)	d (mm)	Size (inch)	U (mm)	M (mm)	Lz (mm)	H (mm)	H2 (mm)	H4 (mm)	V1 (mm)	B3 (mm)	BG
10	16	3/8	64	65	45	73	5	7	22	26	M6
15	20	1/2	64	65	45	73	5	7	22	26	M6
20	25	3/4	79	65	54	81	6	7	18	26	M6
25	32	1	86	87	58	107	7	7	22	26	M6
32	40	1 1/4	99	87	67	115	9	15	26	46	M8
40	50	1 1/2	114	135	77	148	14	15	32	46	M8
50	63	2	141	135	92	166	15	15	39	46	M8

PVC-U

Type 514 Diaphragm Valve with solvent cement sockets metric, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
10	16	3/8	143	43	170	161 514 001	161 514 011	161 514 031	161 514 061
15	20	1/2	98	43	128	161 514 002	161 514 012	161 514 032	161 514 062
20	25	3/4	116	51	152	161 514 003	161 514 013	161 514 033	161 514 063
25	32	1	124	58	166	161 514 004	161 514 014	161 514 034	161 514 064
32	40	1 1/4	142	72	192	161 514 005	161 514 015	161 514 035	161 514 065
40	50	1 1/2	162	83	222	161 514 006	161 514 016	161 514 036	161 514 066
50	63	2	192	101	266	161 514 007	161 514 017	161 514 037	161 514 067



Type 514 Diaphragm Valve with solvent cement sockets ASTM, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	1/2	98	43	141	161 514 612	161 514 632	161 514 662
20	25	3/4	116	51	165	161 514 613	161 514 633	161 514 663
25	32	1	124	58	179	161 514 614	161 514 634	161 514 664
32	40	1 1/4	142	72	204	161 514 615	161 514 635	161 514 665
40	50	1 1/2	162	83	230	161 514 616	161 514 636	161 514 666
50	63	2	192	101	268	161 514 617	161 514 637	161 514 667



Type 514 Diaphragm Valve with solvent cement sockets metric, PVC-U, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code
10	16	3/8	143	43	170	161 514 021
15	20	1/2	98	43	128	161 514 022
20	25	3/4	116	51	152	161 514 023
25	32	1	124	58	166	161 514 024
32	40	1 1/4	142	72	192	161 514 025
40	50	1 1/2	162	83	222	161 514 026
50	63	2	192	101	266	161 514 027



Type 514 Diaphragm Valve with solvent cement sockets JIS, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	122	51	152	161 514 812	161 514 832
20	25	¾	116	51	152	161 514 813	161 514 833
25	32	1	124	58	166	161 514 814	161 514 834
32	40	1 ¼	142	72	192	161 514 815	161 514 835
40	50	1 ½	156	83	222	161 514 816	161 514 836
50	63	2	191	101	266	161 514 817	161 514 837

**Type 514 Diaphragm Valve with solvent cement sockets metric, PVC-U, Oil free, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	PTFE/EPDM Code
10	16	¾	143	43	170	161 514 071
15	20	½	98	43	128	161 514 072
20	25	¾	116	51	152	161 514 073
25	32	1	124	58	166	161 514 074
32	40	1 ¼	142	72	192	161 514 075
40	50	1 ½	162	83	222	161 514 076
50	63	2	192	101	266	161 514 077

**Type 514 Diaphragm Valve with solvent cement sockets BS, PVC-U, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	100	43	128	161 514 502	161 514 512	161 514 532	161 514 562
20	25	¾	116	51	152	161 514 503	161 514 513	161 514 533	161 514 563
25	32	1	124	58	166	161 514 504	161 514 514	161 514 534	161 514 564
32	40	1 ¼	142	72	192	161 514 505	161 514 515	161 514 535	161 514 565
40	50	1 ½	162	83	222	161 514 506	161 514 516	161 514 536	161 514 566
50	63	2	192	101	266	161 514 507	161 514 517	161 514 537	161 514 567

**Type 514 Diaphragm Valve with solvent cement sockets JIS, PVC-U, Oil free, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	122	51	152	161 514 822	161 514 872
20	25	¾	116	51	152	161 514 823	161 514 873
25	32	1	124	58	166	161 514 824	161 514 874
32	40	1 ¼	142	72	192	161 514 825	161 514 875
40	50	1 ½	156	83	222	161 514 826	161 514 876
50	63	2	191	101	266	161 514 827	161 514 877

**Type 514 Diaphragm Valve with solvent cement sockets ASTM, PVC-U, Silicone free, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	98	43	136	161 514 622	161 514 672
20	25	¾	116	51	160	161 514 623	161 514 673
25	32	1	124	58	176	161 514 624	161 514 674
32	40	1 ¼	142	72	198	161 514 625	161 514 675
40	50	1 ½	162	83	232	161 514 626	161 514 676
50	63	2	192	101	268	161 514 627	161 514 677

**Type 514 Diaphragm Valve with threaded sockets Rp, PVC-U, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	98	43	128	161 514 402	161 514 412	161 514 432	161 514 462
20	25	¾	118	51	152	161 514 403	161 514 413	161 514 433	161 514 463
25	32	1	126	58	166	161 514 404	161 514 414	161 514 434	161 514 464
32	40	1 ¼	148	72	192	161 514 405	161 514 415	161 514 435	161 514 465
40	50	1 ½	178	83	222	161 514 406	161 514 416	161 514 436	161 514 466
50	63	2	214	101	266	161 514 407	161 514 417	161 514 437	161 514 467

**Type 514 Diaphragm Valve with threaded sockets Rc, PVC-U, Oil free, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	120	43	152	161 514 922	161 514 972
20	25	¾	118	51	152	161 514 923	161 514 973
25	32	1	126	58	166	161 514 924	161 514 974
32	40	1 ¼	148	72	192	161 514 925	161 514 975
40	50	1 ½	178	83	222	161 514 926	161 514 976
50	63	2	212	101	266	161 514 927	161 514 977



Type 514 Diaphragm Valve with threaded sockets Rp, PVC-U, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	98	43	128	161 514 422	161 514 472
20	25	¾	118	51	152	161 514 423	161 514 473
25	32	1	126	58	166	161 514 424	161 514 474
32	40	1 ¼	148	72	192	161 514 425	161 514 475
40	50	1 ½	178	83	222	161 514 426	161 514 476
50	63	2	214	101	266	161 514 427	161 514 477


Type 514 Diaphragm Valve with threaded sockets NPT, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	94	43	128	161 514 712	161 514 732
20	25	¾	115	51	152	161 514 713	161 514 733
25	32	1	120	58	166	161 514 714	161 514 734
32	40	1 ¼	145	72	192	161 514 715	161 514 735
40	50	1 ½	174	83	222	161 514 716	161 514 736
50	63	2	216	101	266	161 514 717	161 514 737


Type 514 Diaphragm Valve with fusion sockets PE80 metric, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code
15	20	½	98	43	128	161 514 212
20	25	¾	116	51	150	161 514 213
25	32	1	123	58	162	161 514 214
32	40	1 ¼	141	72	184	161 514 215
40	50	1 ½	161	83	210	161 514 216
50	63	2	191	101	248	161 514 217


PVC-C
Type 514 Diaphragm Valve with solvent cement sockets metric, PVC-C, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	101	43	128	163 514 012	163 514 032
20	25	¾	120	51	152	163 514 013	163 514 033
25	32	1	127	58	166	163 514 014	163 514 034
32	40	1 ¼	142	72	192	163 514 015	163 514 035
40	50	1 ½	156	83	222	163 514 016	163 514 036
50	63	2	192	101	266	163 514 017	163 514 037


Type 514 Diaphragm Valve with solvent cement sockets ASTM, PVC-C, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	98	43	141	163 514 612	163 514 632	163 514 662
20	25	¾	116	51	165	163 514 613	163 514 633	163 514 663
25	32	1	124	58	179	163 514 614	163 514 634	163 514 664
32	40	1 ¼	142	72	204	163 514 615	163 514 635	163 514 665
40	50	1 ½	162	83	230	163 514 616	163 514 636	163 514 666
50	63	2	192	101	268	163 514 617	163 514 637	163 514 667



ABS

Type 514 Diaphragm Valve with solvent cement sockets metric, ABS, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	101	43	128	169 514 012	169 514 032
20	25	¾	120	51	152	169 514 013	169 514 033
25	32	1	127	58	166	169 514 014	169 514 034
32	40	1 ¼	142	72	192	169 514 015	169 514 035
40	50	1 ½	162	83	222	169 514 016	169 514 036
50	63	2	192	101	266	169 514 017	169 514 037



Type 514 Diaphragm Valve with solvent cement sockets BS, ABS, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	98	43	128	169 514 512	169 514 532
20	25	¾	118	51	152	169 514 513	169 514 533
25	32	1	124	58	166	169 514 514	169 514 534
32	40	1 ¼	142	72	192	169 514 515	169 514 535
40	50	1 ½	162	83	222	169 514 516	169 514 536
50	63	2	192	101	266	169 514 517	169 514 537



PROGEF PP-H

Type 514 Diaphragm Valve with fusion sockets metric, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	V1 (mm)	Lmax (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	98	47	14	128	167 514 002	167 514 012	167 514 032	167 514 062
20	25	¾	116	56	18	150	167 514 003	167 514 013	167 514 033	167 514 063
25	32	1	124	62	22	162	167 514 004	167 514 014	167 514 034	167 514 064
32	40	1 ¼	142	77	26	184	167 514 005	167 514 015	167 514 035	167 514 065
40	50	1 ½	162	84	32	210	167 514 006	167 514 016	167 514 036	167 514 066
50	63	2	192	105	39	248	167 514 007	167 514 017	167 514 037	167 514 067



Type 514 Diaphragm Valve with fusion sockets PE80 metric, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	V1 (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	98	47	14	128	167 514 212	167 514 232
20	25	¾	116	56	18	150	167 514 213	167 514 233
25	32	1	123	62	22	162	167 514 214	167 514 234
32	40	1 ¼	141	77	26	184	167 514 215	167 514 235
40	50	1 ½	161	84	32	210	167 514 216	167 514 236
50	63	2	191	105	39	248	167 514 217	167 514 237



Type 514 Diaphragm Valve with fusion sockets metric, PROGEF PP-H, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	V1 (mm)	Lmax (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	98	47	14	128	167 514 022	167 514 072
20	25	¾	116	56	18	150	167 514 023	167 514 073
25	32	1	124	62	22	162	167 514 024	167 514 074
32	40	1 ¼	142	77	26	184	167 514 025	167 514 075
40	50	1 ½	162	84	32	210	167 514 026	167 514 076
50	63	2	192	105	39	248	167 514 027	167 514 077



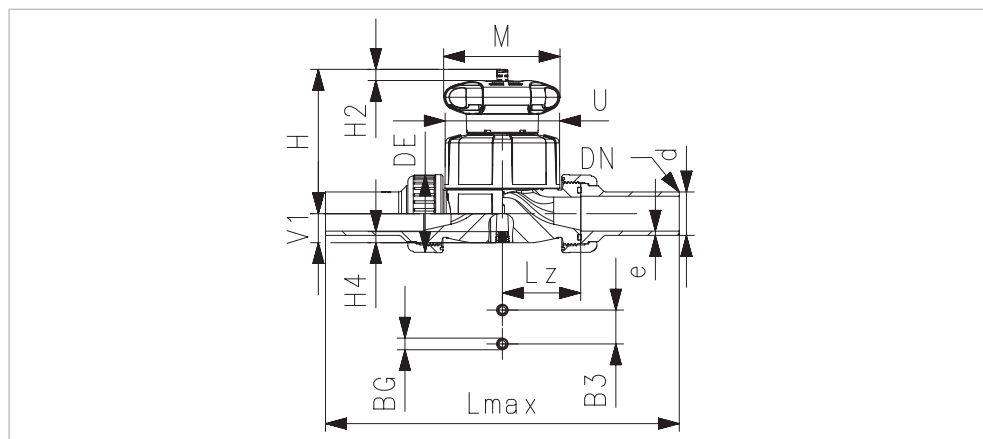
SYGEF PVDF

Type 514 Diaphragm Valve with fusion sockets metric, SYGEF PVDF, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	V1 (mm)	Lmax (mm)	PTFE/EPDM Code	FKM Code
15	20	½	98	43	14	128	185 514 032	185 514 052
20	25	¾	116	53	18	150	185 514 033	185 514 053
25	32	1	124	60	22	162	185 514 034	185 514 054
32	40	1 ¼	142	74	26	184	185 514 035	185 514 055
40	50	1 ½	162	82	32	210	185 514 036	185 514 056
50	63	2	192	100	39	248	185 514 037	185 514 057



Type 514 - Unions with spigots



DN (mm)	d (mm)	Size (inch)	U (mm)	M (mm)	Lz (mm)	H (mm)	H2 (mm)	H4 (mm)	V1 (mm)	B3 (mm)	BG
15	20	½	64	65	45	73	5	7	14	26	M6
20	25	¾	79	65	54	81	6	7	18	26	M6
25	32	1	86	87	58	107	7	7	22	26	M6
32	40	1 ¼	99	87	67	115	9	15	26	46	M8
40	50	1 ½	114	135	77	148	14	15	32	46	M8
50	63	2	141	135	92	166	15	15	39	46	M8

PVC-U

Type 514 Diaphragm Valve with IR fusion spigots, IR PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	153	43	196	2.6	161 514 942	161 514 982	161 514 952
20	25	¾	177	51	220	2.1	161 514 943	161 514 983	161 514 953
25	32	1	191	58	234	2.7	161 514 944	161 514 984	161 514 954
32	40	1 ¼	209	72	259	3.3	161 514 945	161 514 985	161 514 955
40	50	1 ½	242	83	285	4.0	161 514 946	161 514 986	161 514 956
50	63	2	271	101	321	5.1	161 514 947	161 514 987	161 514 957



Type 514 Diaphragm Valve with butt and electro fusion spigots PE100 SDR11 metric, PVC-U/EcoFIT PE, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	EPDM Code
15	20	½	153	43	196	1.9	161 514 312
20	25	¾	177	51	221	2.3	161 514 313
25	32	1	191	58	234	2.9	161 514 314
32	40	1 ¼	209	72	260	3.7	161 514 315
40	50	1 ½	242	83	284	4.6	161 514 316
50	63	2	271	101	321	5.8	161 514 317



ABS

Type 514 Diaphragm Valve with butt fusion spigots long, ABS, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	EPDM Code
15	20	½	153	43	224	1.9	169 514 312
20	25	¾	177	51	250	2.3	169 514 313
25	32	1	191	58	262	2.9	169 514 314
32	40	1 ¼	209	72	296	3.7	169 514 315
40	50	1 ½	242	83	328	4.6	169 514 316
50	63	2	271	101	370	5.8	169 514 317



PROGEF PP-H

Type 514 Diaphragm Valve with butt fusion spigots SDR11 metric, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	153	47	196	1.9	167 514 102	167 514 112	167 514 132	167 514 162
20	25	¾	177	56	221	2.6	167 514 103	167 514 113	167 514 133	167 514 163
25	32	1	191	62	234	3.0	167 514 104	167 514 114	167 514 134	167 514 164
32	40	1 ¼	209	77	260	3.7	167 514 105	167 514 115	167 514 135	167 514 165
40	50	1 ½	242	84	284	4.6	167 514 106	167 514 116	167 514 136	167 514 166
50	63	2	271	105	321	5.8	167 514 107	167 514 117	167 514 137	167 514 167



Type 514 Diaphragm Valve with butt fusion spigots SDR11, PROGEF PP-H, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	153	47	196	1.9	167 514 122	167 514 172
20	25	¾	177	56	221	2.6	167 514 123	167 514 173
25	32	1	191	62	234	3.0	167 514 124	167 514 174
32	40	1 ¼	209	77	260	3.7	167 514 125	167 514 175
40	50	1 ½	242	84	284	4.6	167 514 126	167 514 176
50	63	2	271	105	321	5.8	167 514 127	167 514 177



Type 514 Diaphragm Valve with butt and electro fusion spigots PE100 SDR11 metric, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	153	47	197	1.9	167 514 312	167 514 332	167 514 362
20	25	¾	177	56	222	2.6	167 514 313	167 514 333	167 514 363
25	32	1	191	62	235	3.0	167 514 314	167 514 334	167 514 364
32	40	1 ¼	209	77	259	3.7	167 514 315	167 514 335	167 514 365
40	50	1 ½	242	84	285	4.6	167 514 316	167 514 336	167 514 366
50	63	2	271	105	321	5.8	167 514 317	167 514 337	167 514 367



SYGEF PVDF

Type 514 Diaphragm Valve with butt fusion spigots metric, SYGEF PVDF, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	PTFE/EPDM Code
15	20	½	153	43	196	1.9	185 514 132
20	25	¾	177	53	220	1.9	185 514 133
25	32	1	191	60	234	2.4	185 514 134
32	40	1 ¼	209	74	259	2.4	185 514 135
40	50	1 ½	242	82	285	3.0	185 514 136
50	63	2	271	100	321	3.0	185 514 137



Type 514 Diaphragm Valve with ECTFE butt fusion spigots (IR) metric, SYGEF PVDF, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	PTFE/EPDM Code
15	20	½	153	43	196	1.9	185 514 232
20	25	¾	177	53	220	1.9	185 514 233
25	32	1	191	60	234	2.4	185 514 234
32	40	1 ¼	209	74	259	2.4	185 514 235
40	50	1 ½	242	82	285	3.0	185 514 236
50	63	2	271	100	321	3.0	185 514 237



Type 514 Diaphragm Valve with butt fusion spigots metric, PVDF-HP SYGEF Plus, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	PTFE/EPDM Code
15	20	½	153	43	196	1.9	181 514 132
20	25	¾	177	53	220	1.9	181 514 133
25	32	1	191	60	234	2.4	181 514 134
32	40	1 ¼	209	74	259	2.4	181 514 135
40	50	1 ½	242	82	285	3.0	181 514 136
50	63	2	271	100	321	3.0	181 514 137

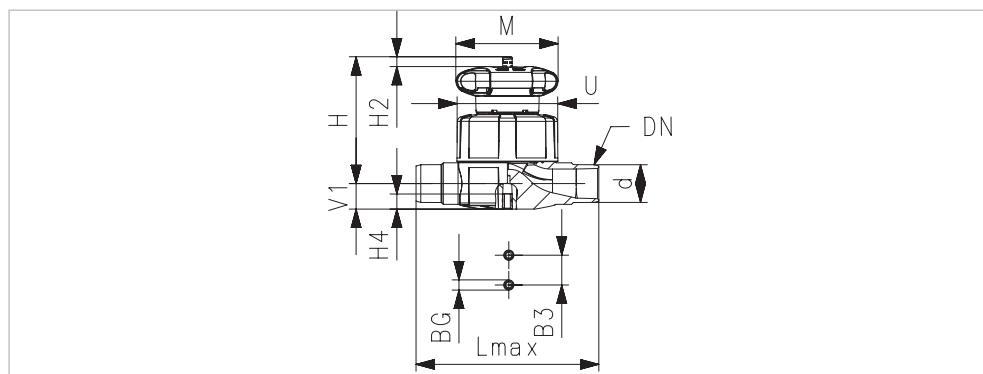
**Type 514 Diaphragm Valve with butt fusion spigots metric, PVDF-HP SYGEF Plus, max. pressure 16 bar**

DN (mm)	d (mm)	Size (inch)	z (mm)	DE (mm)	Lmax (mm)	e (mm)	PTFE/EPDM Code
15	20	½	153	43	196	1.9	180 514 132
20	25	¾	177	53	220	1.9	180 514 133
25	32	1	191	60	234	2.4	180 514 134
32	40	1 ¼	209	74	259	2.4	180 514 135
40	50	1 ½	242	82	285	3.0	180 514 136
50	63	2	271	100	321	3.0	180 514 137



Dimensions and Ordering - Type 515

Type 515 - Spigots



DN (mm)	d (mm)	Size (inch)	U (mm)	M (mm)	Lmax (mm)	H (mm)	H2 (mm)	H4 (mm)	V1 (mm)	B3 (mm)	BG
15	20	½	64	65	124	73	5	7	14	26	M6
20	25	¾	79	65	144	81	6	7	18	26	M6
25	32	1	86	87	154	107	7	7	22	26	M6
32	40	1 ¼	99	87	174	115	9	15	26	46	M8
40	50	1 ½	114	135	194	148	14	15	32	46	M8
50	63	2	141	135	224	166	15	15	39	46	M8

PVC-U

Type 515 Diaphragm Valve with solvent cement spigots metric, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	2.8	161 515 002	161 515 012	161 515 032	161 515 062
20	25	¾	3.0	161 515 003	161 515 013	161 515 033	161 515 063
25	32	1	3.8	161 515 004	161 515 014	161 515 034	161 515 064
32	40	1 ¼	4.6	161 515 005	161 515 015	161 515 035	161 515 065
40	50	1 ½	6.1	161 515 006	161 515 016	161 515 036	161 515 066
50	63	2	8.0	161 515 007	161 515 017	161 515 037	161 515 067



Type 515 Diaphragm Valve with solvent cement spigots metric, PVC-U, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	2.8	161 515 022	161 515 072
20	25	¾	3.0	161 515 023	161 515 073
25	32	1	3.8	161 515 024	161 515 074
32	40	1 ¼	4.6	161 515 025	161 515 075
40	50	1 ½	6.1	161 515 026	161 515 076
50	63	2	8.0	161 515 027	161 515 077



PVC-C

Type 515 Diaphragm Valve with solvent cement spigots metric, PVC-C, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	2.8	163 515 012	163 515 032
20	25	¾	3.0	163 515 013	163 515 033
25	32	1	3.8	163 515 014	163 515 034
32	40	1 ¼	4.6	163 515 015	163 515 035
40	50	1 ½	6.1	163 515 016	163 515 036
50	63	2	8.1	163 515 017	163 515 037



ABS

Type 515 Diaphragm Valve with solvent cement spigots metric, ABS, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	2.8	169 515 012	169 515 032
20	25	¾	3.0	169 515 013	169 515 033
25	32	1	3.8	169 515 014	169 515 034
32	40	1 ¼	4.6	169 515 015	169 515 035
40	50	1 ½	6.1	169 515 016	169 515 036
50	63	2	8.1	169 515 017	169 515 037



PROGEF PP-H

Type 515 Diaphragm Valve with socket fusion spigots metric, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	1.9	167 515 002	167 515 012	167 515 032	167 515 062
20	25	¾	2.3	167 515 003	167 515 013	167 515 033	167 515 063
25	32	1	2.9	167 515 004	167 515 014	167 515 034	167 515 064
32	40	1 ¼	3.7	167 515 005	167 515 015	167 515 035	167 515 065
40	50	1 ½	4.6	167 515 006	167 515 016	167 515 036	167 515 066
50	63	2	5.8	167 515 007	167 515 017	167 515 037	167 515 067



Type 515 Diaphragm Valve with butt fusion spigots SDR11 metric, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	2.7	167 515 102	167 515 112	167 515 132	167 515 162
20	25	¾	2.9	167 515 103	167 515 113	167 515 133	167 515 163
25	32	1	3.7	167 515 104	167 515 114	167 515 134	167 515 164
32	40	1 ¼	4.4	167 515 105	167 515 115	167 515 135	167 515 165
40	50	1 ½	5.9	167 515 106	167 515 116	167 515 136	167 515 166
50	63	2	7.9	167 515 107	167 515 117	167 515 137	167 515 167



Type 515 Diaphragm Valve with butt fusion spigots SDR11 metric, PROGEF PP-H, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	2.0	167 515 122	167 515 172
20	25	¾	2.5	167 515 123	167 515 173
25	32	1	3.1	167 515 124	167 515 174
32	40	1 ¼	3.9	167 515 125	167 515 175
40	50	1 ½	4.7	167 515 126	167 515 176
50	63	2	6.0	167 515 127	167 515 177



Type 515 Diaphragm Valve with butt fusion spigots SDR11 metric, PP-R PROGEF Natural, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	2.0	168 515 112	168 515 132
20	25	¾	2.5	168 515 113	168 515 133
25	32	1	3.1	168 515 114	168 515 134
32	40	1 ¼	3.9	168 515 115	168 515 135
40	50	1 ½	4.7	168 515 116	168 515 136
50	63	2	6.0	168 515 117	168 515 137



SYGEF PVDF

Type 515 Diaphragm Valve with socket fusion spigots metric, PVDF SYGEF Standard, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	185 515 032
20	25	¾	2.1	185 515 033
25	32	1	2.6	185 515 034
32	40	1 ¼	2.6	185 515 035
40	50	1 ½	3.2	185 515 036
50	63	2	3.2	185 515 037



Type 515 Diaphragm Valve with butt fusion spigots metric, PVDF SYGEF Standard, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	185 515 132
20	25	¾	2.1	185 515 133
25	32	1	2.6	185 515 134
32	40	1 ¼	2.6	185 515 135
40	50	1 ½	3.2	185 515 136
50	63	2	3.2	185 515 137



Type 515 Diaphragm Valve with butt fusion spigots metric, PVDF-HP SYGEF Plus, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	181 515 132
20	25	¾	2.1	181 515 133
25	32	1	2.6	181 515 134
32	40	1 ¼	2.6	181 515 135
40	50	1 ½	3.2	181 515 136
50	63	2	3.2	181 515 137



Type 515 Diaphragm Valve with butt fusion spigots metric, PVDF-HP SYGEF Plus, max. pressure 16 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	180 515 132
20	25	¾	2.1	180 515 133
25	32	1	2.6	180 515 134
32	40	1 ¼	2.6	180 515 135
40	50	1 ½	3.2	180 515 136
50	63	2	3.2	180 515 137



SYGEF Ultra PEEK

Type 515 Diaphragm Valve with butt fusion spigots metric, SYGEF Ultra PEEK, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	477 515 132
20	25	¾	2.1	477 515 133
25	32	1	2.1	477 515 134
40	50	1 ½	2.6	477 515 136
50	63	2	2.7	477 515 137



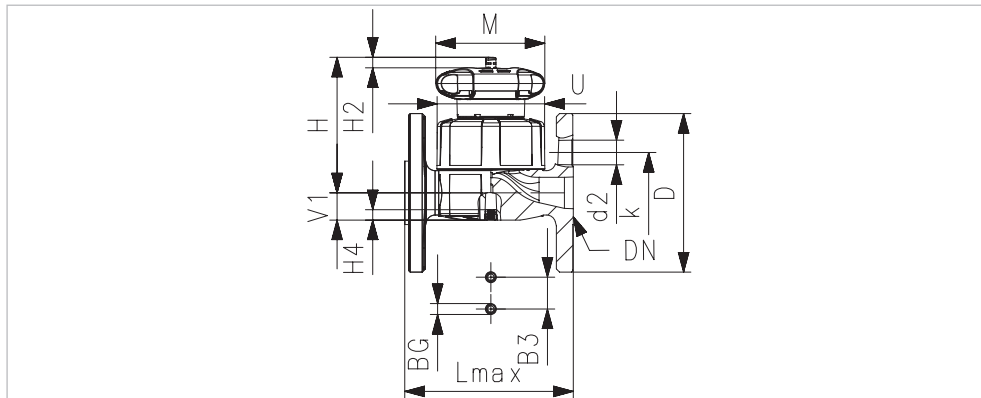
Type 515 Diaphragm Valve with butt fusion spigots metric, SYGEF Ultra PEEK, max. pressure 16 bar

DN (mm)	d (mm)	Size (inch)	e (mm)	PTFE/EPDM Code
15	20	½	2.1	476 515 132
20	25	¾	2.1	476 515 133
25	32	1	2.1	476 515 134
40	50	1 ½	2.6	476 515 136
50	63	2	2.7	476 515 137



Dimensions and Ordering - Type 517

Type 517 - Fixed flanges



DN (mm)	d (mm)	Size (inch)	U (mm)	M (mm)	Lmax (mm)	H (mm)	H2 (mm)	H4 (mm)	V1 (mm)	D (mm)	B3 (mm)	BG
15	20	½	64	65	110	73	5	7	14	95	26	M6
20	25	¾	79	65	120	81	6	7	18	100	26	M6
25	32	1	86	87	130	107	7	7	22	125	26	M6
32	40	1 ¼	99	87	180	115	9	15	26	135	46	M8
40	50	1 ½	114	135	180	148	14	15	32	140	46	M8
50	63	2	141	135	210	166	15	15	39	155	46	M8

PVC-U

Type 517 Diaphragm Valve with fixed flanges PVC-U JIS, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	70.00	15.00	161 517 912	161 517 932
20	25	¾	75.00	15.00	161 517 913	161 517 933
25	32	1	90.00	19.00	161 517 914	161 517 934
32	40	1 ¼	100.00	19.00	161 517 915	161 517 935
40	50	1 ½	105.00	19.00	161 517 916	161 517 936
50	63	2	120.00	19.00	161 517 917	161 517 937



Type 517 Diaphragm Valve with fixed flanges PVC-U JIS, PVC-U, Oil free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	70.00	15.00	161 517 922	161 517 972
20	25	¾	75.00	15.00	161 517 923	161 517 973
25	32	1	90.00	19.00	161 517 924	161 517 974
32	40	1 ¼	100.00	19.00	161 517 925	161 517 975
40	50	1 ½	105.00	19.00	161 517 926	161 517 976
50	63	2	120.00	19.00	161 517 927	161 517 977



PROGEF PP-H

Type 517 Diaphragm Valve with fixed flanges PP-H JIS, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	70.00	15.00	167 517 912	167 517 932
20	25	¾	75.00	15.00	167 517 913	167 517 933
25	32	1	90.00	19.00	167 517 914	167 517 934
32	40	1 ¼	100.00	19.00	167 517 915	167 517 935
40	50	1 ½	105.00	19.00	167 517 916	167 517 936
50	63	2	120.00	19.00	167 517 917	167 517 937



SYGEF PVDF**Type 517 Diaphragm Valve with fixed flanges PVDF JIS, SYGEF PVDF, max. pressure 10 bar**

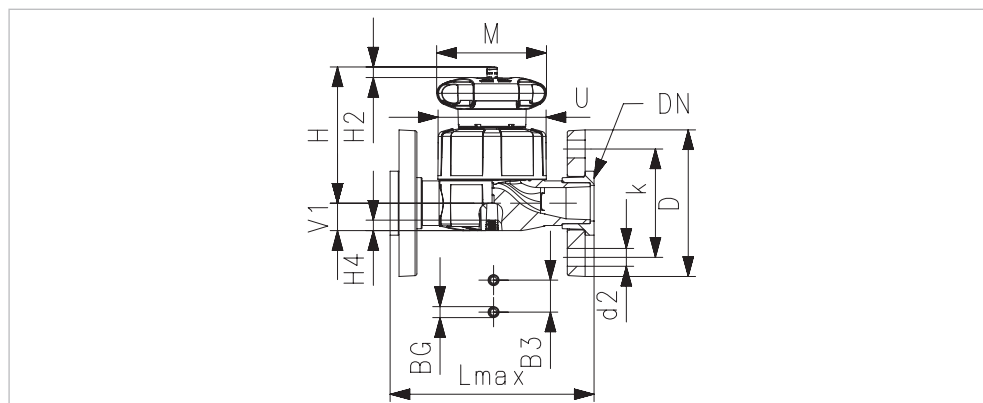
DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	PTFE/EPDM Code
15	20	½	70.00	15.00	185 517 932
20	25	¾	75.00	15.00	185 517 933
25	32	1	90.00	19.00	185 517 934
32	40	1 ¼	100.00	19.00	185 517 935
40	50	1 ½	105.00	19.00	185 517 936
50	63	2	120.00	19.00	185 517 937

**Type 517 Diaphragm Valve with fixed flanges PVDF-HP JIS, PVDF-HP SYGEF Plus, max. pressure 10 bar**

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	PTFE/EPDM Code
15	20	½	70.00	15.00	181 517 932
20	25	¾	75.00	15.00	181 517 933
25	32	1	90.00	19.00	181 517 934
32	40	1 ¼	100.00	19.00	181 517 935
40	50	1 ½	105.00	19.00	181 517 936
50	63	2	120.00	19.00	181 517 937



Type 517 - Backing flanges



DN (mm)	d (mm)	Size (inch)	U (mm)	M (mm)	Lmax (mm)	H (mm)	H2 (mm)	H4 (mm)	V1 (mm)	D (mm)	B3 (mm)	BG
15	20	½	64	65	130	73	5	7	14	95	26	M6
20	25	¾	79	65	150	81	6	7	18	105	26	M6
25	32	1	86	87	160	107	7	7	22	115	26	M6
32	40	1 ¼	99	87	180	115	9	15	26	140	46	M8
40	50	1 ½	114	135	200	148	14	15	32	150	46	M8
50	63	2	141	135	230	166	15	15	39	165	46	M8

PVC-U

Type 517 Diaphragm Valve with backing flanges PVC-U metric/BS, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	65.00	14.00	161 517 002	161 517 012	161 517 032	161 517 062
20	25	¾	75.00	14.00	161 517 003	161 517 013	161 517 033	161 517 063
25	32	1	85.00	14.00	161 517 004	161 517 014	161 517 034	161 517 064
32	40	1 ¼	100.00	18.00	161 517 005	161 517 015	161 517 035	161 517 065
40	50	1 ½	110.00	18.00	161 517 006	161 517 016	161 517 036	161 517 066
50	63	2	125.00	18.00	161 517 007	161 517 017	161 517 037	161 517 067



Type 517 Diaphragm Valve with backing flanges PVC-U metric, PVC-U, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	65.00	14.00	161 517 022	161 517 072
20	25	¾	75.00	14.00	161 517 023	161 517 073
25	32	1	85.00	14.00	161 517 024	161 517 074
32	40	1 ¼	100.00	18.00	161 517 025	161 517 075
40	50	1 ½	110.00	18.00	161 517 026	161 517 076
50	63	2	125.00	18.00	161 517 027	161 517 077



Type 517 Diaphragm Valve with backing flanges PVC-U Inch ANSI, PVC-U, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	60.45	16.00	161 517 612	161 517 632	161 517 662
20	25	¾	69.85	16.00	161 517 613	161 517 633	161 517 663
25	32	1	79.25	16.00	161 517 614	161 517 634	161 517 664
32	40	1 ¼	88.90	16.00	161 517 615	161 517 635	161 517 665
40	50	1 ½	98.60	16.00	161 517 616	161 517 636	161 517 666
50	63	2	120.65	19.00	161 517 617	161 517 637	161 517 667



PVC-C

Type 517 Diaphragm Valve with backing flanges PP-V metric/BS, PVC-C, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	65.00	14.00	163 517 112	163 517 132
20	25	¾	75.00	14.00	163 517 113	163 517 133
25	32	1	85.00	14.00	163 517 114	163 517 134
32	40	1 ¼	100.00	18.00	163 517 115	163 517 135
40	50	1 ½	110.00	18.00	163 517 116	163 517 136
50	63	2	125.00	18.00	163 517 117	163 517 137



Type 517 Diaphragm Valve with backing flanges PP-V Inch ANSI, PVC-C, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	60.45	16.00	163 517 712	163 517 732	163 517 762
20	25	¾	69.85	16.00	163 517 713	163 517 733	163 517 763
25	32	1	79.25	16.00	163 517 714	163 517 734	163 517 764
32	40	1 ¼	88.90	16.00	163 517 715	163 517 735	163 517 765
40	50	1 ½	98.60	16.00	163 517 716	163 517 736	163 517 766
50	63	2	120.65	19.00	163 517 717	163 517 737	163 517 767



PROGEF PP-H

Type 517 Diaphragm Valve with backing flanges PP-V Inch ANSI, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	60.45	16.00	167 517 712	167 517 732
20	25	¾	69.85	16.00	167 517 713	167 517 733
25	32	1	79.25	16.00	167 517 714	167 517 734
32	40	1 ¼	88.90	16.00	167 517 715	167 517 735
40	50	1 ½	98.60	16.00	167 517 716	167 517 736
50	63	2	120.65	19.00	167 517 717	167 517 737



Type 517 Diaphragm Valve with backing flanges PP-V metric/BS, PROGEF PP-H, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	NBR Code	EPDM Code	PTFE/EPDM Code	FKM Code
15	20	½	65.00	14.00	167 517 102	167 517 112	167 517 132	167 517 162
20	25	¾	75.00	14.00	167 517 103	167 517 113	167 517 133	167 517 163
25	32	1	85.00	14.00	167 517 104	167 517 114	167 517 134	167 517 164
32	40	1 ¼	100.00	18.00	167 517 105	167 517 115	167 517 135	167 517 165
40	50	1 ½	110.00	18.00	167 517 106	167 517 116	167 517 136	167 517 166
50	63	2	125.00	18.00	167 517 107	167 517 117	167 517 137	167 517 167



Type 517 Diaphragm Valve with backing flanges PP-V metric/BS, PROGEF PP-H, Silicone free, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	65.00	14.00	167 517 122	167 517 172
20	25	¾	75.00	14.00	167 517 123	167 517 173
25	32	1	85.00	14.00	167 517 124	167 517 174
32	40	1 ¼	100.00	18.00	167 517 125	167 517 175
40	50	1 ½	110.00	18.00	167 517 126	167 517 176
50	63	2	125.00	18.00	167 517 127	167 517 177



SYGEF PVDF

Type 517 Diaphragm Valve with backing flanges PP-V metric BS, SYGEF PVDF, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	PTFE/EPDM Code
15	20	½	65.00	14.00	185 517 132
20	25	¾	75.00	14.00	185 517 133
25	32	1	85.00	14.00	185 517 134
32	40	1 ¼	100.00	18.00	185 517 135
40	50	1 ½	110.00	18.00	185 517 136
50	63	2	125.00	18.00	185 517 137



Type 517 Diaphragm Valve with backing flanges PP-V Inch ANSI, SYGEF PVDF, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	PTFE/EPDM Code
15	20	½	60.45	16.00	185 517 732
20	25	¾	69.85	16.00	185 517 733
25	32	1	79.25	16.00	185 517 734
32	40	1 ¼	88.90	16.00	185 517 735
40	50	1 ½	98.60	16.00	185 517 736
50	63	2	120.65	19.00	185 517 737



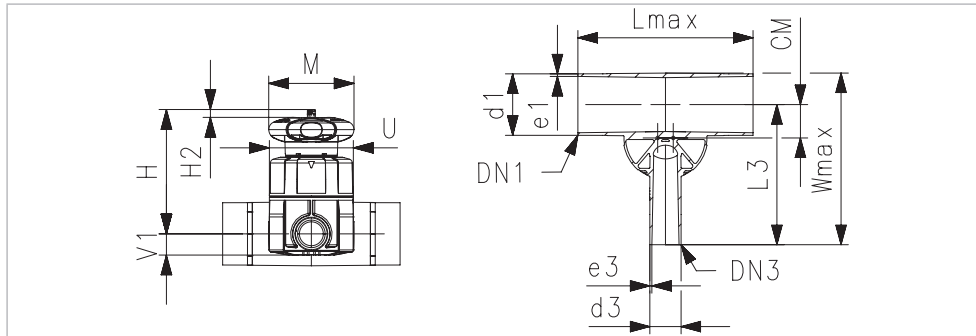
Type 517 Diaphragm Valve with backing flanges PP-V metric BS, PVDF-HP SYGEF Plus, max. pressure 10 bar

DN (mm)	d (mm)	Size (inch)	k (mm)	d2 (mm)	PTFE/EPDM Code
15	20	½	65.00	14.00	181 517 132
20	25	¾	75.00	14.00	181 517 133
25	32	1	85.00	14.00	181 517 134
32	40	1 ¼	100.00	18.00	181 517 135
40	50	1 ½	110.00	18.00	181 517 136
50	63	2	125.00	18.00	181 517 137



Dimensions and Ordering - Type 519

Type 519 - 3-way branched valve



DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	d3 (mm)	Size3 (inch)	U (mm)	M (mm)	Lmax (mm)	L3 (mm)	Wmax (mm)	CM (mm)	V1 (mm)	H (mm)	H2 (mm)
15	20	½	15	20	½	64	65	162	96	117	12	14	75	5
20	25	¾	15	20	½	79	65	162	108	133	16	18	80	6
20	25	¾	20	25	¾	79	65	162	108	133	16	18	80	6
25	32	1	15	20	½	79	65	162	120	142	19	22	84	6
25	32	1	20	25	¾	79	65	162	120	142	19	22	84	6
25	32	1	25	32	1	85	87	320	120	145	19	22	107	7
32	40	1 ¼	15	20	½	85	87	180	128	149	23	22	115	7
32	40	1 ¼	20	25	¾	85	87	180	128	149	23	22	115	7
32	40	1 ¼	25	32	1	85	87	180	128	149	23	22	115	7
32	40	1 ¼	32	40	1 ¼	85	87	180	153	174	23	22	115	7
40	50	1 ½	15	20	½	79	65	180	134	160	27	26	97	6
40	50	1 ½	20	25	¾	85	87	180	134	160	28	26	120	7
40	50	1 ½	25	32	1	85	87	180	134	160	28	26	120	7
40	50	1 ½	32	40	1 ¼	141	135	209	169	209	33	32	164	15
40	50	1 ½	40	50	1 ½	141	135	209	169	209	33	32	164	15
50	63	2	15	20	½	79	65	180	144	177	33	33	104	6
50	63	2	20	25	¾	85	87	180	144	177	35	33	127	7
50	63	2	25	32	1	85	87	180	144	177	35	33	127	7
50	63	2	32	40	1 ¼	141	135	220	192	224	39	39	170	15
50	63	2	40	50	1 ½	141	135	220	192	224	39	39	170	15
50	63	2	50	63	2	141	135	220	192	225	39	39	170	15
80	90	3	15	20	½	85	87	190	159	205	47	46	140	7
80	90	3	20	25	¾	85	87	190	159	205	47	46	140	7
80	90	3	25	32	1	85	87	190	159	205	47	46	140	7
80	90	3	40	50	1 ½	141	135	250	207	254	51	47	184	15
80	90	3	50	63	2	141	135	250	207	254	51	47	184	15
100	110	4	15	20	½	85	87	190	171	227	56	56	149	7
100	110	4	20	25	¾	85	87	190	171	227	56	56	149	7
100	110	4	25	32	1	85	87	380	171	227	56	56	149	7
100	110	4	40	50	1 ½	141	135	250	219	276	60	57	194	15
100	110	4	50	63	2	141	135	250	219	276	60	57	194	15
125	140	5	25	32	1	85	87	310	186	258	70	72	155	7
125	140	5	32	40	1 ¼	141	135	310	219	291	78	72	204	15
125	140	5	40	50	1 ½	141	135	310	219	291	78	72	204	15
125	140	5	50	63	2	141	135	310	219	291	78	72	204	15
150	160	6	25	32	1	85	87	310	196	278	81	82	161	7
150	160	6	32	40	1 ¼	141	135	310	219	301	87	82	213	15
150	160	6	40	50	1 ½	141	135	310	219	301	87	82	213	15
150	160	6	50	63	2	141	135	310	219	301	87	82	213	15

PROGEF PP-H

Type 519 Diaphragm Valve with butt fusion spigots metric, PROGEF PP-H, max. pressure 10 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	SDR	e1 (mm)	e3 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	15	11	2.1	2.1	167 519 101	167 519 301
20	25	¾	15	11	2.6	2.1	167 519 103	167 519 303
20	25	¾	20	11	2.6	2.6	167 519 104	167 519 304
25	32	1	15	11	3.2	2.1	167 519 107	167 519 307
25	32	1	20	11	3.2	2.6	167 519 108	167 519 308
25	32	1	25	11	3.2	3.2	167 519 109	167 519 309
32	40	1 ¼	15	11	4.0	2.1	167 519 112	167 519 312
32	40	1 ¼	32	11	4.0	4.0	167 519 115	167 519 315
40	50	1 ½	15	11	5.0	2.1	167 519 118	167 519 318
40	50	1 ½	20	11	5.0	2.6	167 519 119	167 519 319
40	50	1 ½	25	11	5.0	3.2	167 519 120	167 519 320
50	63	2	15	11	6.3	2.1	167 519 125	167 519 325
50	63	2	20	11	6.2	2.6	167 519 126	167 519 326
50	63	2	25	11	6.2	3.2	167 519 127	167 519 327



Type 519 Diaphragm Valve with butt fusion spigots SDR11 metric, PROGEF PP-H, Silicone free, max. pressure 10 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	SDR	e1 (mm)	e3 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	15	11	2.1	2.1	167 519 201	167 519 701
20	25	¾	15	11	2.6	2.1	167 519 203	167 519 703
20	25	¾	20	11	2.6	2.6	167 519 204	167 519 704
25	32	1	15	11	3.2	2.1	167 519 207	167 519 707
25	32	1	20	11	3.2	2.6	167 519 208	167 519 708
25	32	1	25	11	3.2	3.2	167 519 209	167 519 709
32	50	1 ¼	15	11	4.0	2.1	167 519 212	167 519 712
40	63	1 ½	32	11	4.0	4.0	167 519 215	167 519 715
40	63	1 ½	15	11	5.0	2.1	167 519 218	167 519 718
40	63	1 ½	20	11	5.0	2.6	167 519 219	167 519 719
40	63	1 ½	25	11	5.0	3.2	167 519 220	167 519 720
50	63	2	15	11	6.3	2.1	167 519 225	167 519 725
50	63	2	20	11	6.2	2.6	167 519 226	167 519 726
50	63	2	25	11	6.2	3.2	167 519 227	167 519 727



PROGEF Natural PP-R

Type 519 Diaphragm Valve with butt fusion spigots metric SDR11, PP-R PROGEF Natural, max. pressure 6 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	SDR	e1 (mm)	e3 (mm)	EPDM Code	PTFE/EPDM Code
15	20	½	15	11	2.1	2.1	168 519 101	168 519 301
20	25	¾	15	11	2.6	2.1	168 519 103	168 519 303
20	25	¾	20	11	2.6	2.6	168 519 104	168 519 304
25	32	1	15	11	3.2	2.1	168 519 107	168 519 307
25	32	1	20	11	3.2	2.6	168 519 108	168 519 308
25	32	1	25	11	3.2	3.2	168 519 109	168 519 309
32	40	1 ¼	15	11	4.0	2.1	168 519 112	168 519 312
32	40	1 ¼	32	11	4.0	4.0	168 519 115	168 519 315
40	50	1 ½	15	11	5.0	2.1	168 519 118	168 519 318
40	50	1 ½	20	11	5.0	2.6	168 519 119	168 519 319
40	50	1 ½	25	11	5.0	3.2	168 519 120	168 519 320
50	63	2	15	11	6.3	2.1	168 519 125	168 519 325
50	63	2	20	11	6.2	2.6	168 519 126	168 519 326
50	63	2	25	11	6.2	3.2	168 519 127	168 519 327



SYGEF PVDF

Type 519 Diaphragm Valve with butt fusion spigots metric SDR21, PVDF-HP SYGEF Plus, max. pressure 10 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	SDR	e1 (mm)	e3 (mm)	PTFE/EPDM Code
15	20	½	15	21	2.1	2.1	181 519 301
20	25	¾	15	21	2.1	2.1	181 519 303
20	25	¾	20	21	2.1	2.1	181 519 304
25	32	1	15	21	2.7	2.1	181 519 307
25	32	1	20	21	2.7	2.1	181 519 308
25	32	1	25	21	2.7	2.7	181 519 309
32	40	1 ¼	15	21	2.7	2.1	181 519 312
32	40	1 ¼	20	21	2.7	2.1	181 519 313
32	40	1 ¼	25	21	2.7	2.7	181 519 314
32	40	1 ¼	32	21	2.7	2.7	181 519 315
40	50	1 ½	15	21	3.3	2.1	181 519 318
40	50	1 ½	20	21	3.3	2.1	181 519 319
40	50	1 ½	25	21	3.3	2.7	181 519 320
40	50	1 ½	32	21	3.3	2.7	181 519 321
40	50	1 ½	40	21	3.3	3.3	181 519 322
50	63	2	15	21	3.4	2.1	181 519 325
50	63	2	20	21	3.3	2.1	181 519 326
50	63	2	25	21	3.3	2.7	181 519 327
50	63	2	32	21	3.3	2.7	181 519 328
50	63	2	40	21	3.3	3.3	181 519 329
50	63	2	50	21	3.3	3.3	181 519 330
80	90	3	15	21	4.7	2.1	181 519 341
80	90	3	20	21	4.7	2.1	181 519 342
80	90	3	25	21	4.7	2.7	181 519 343
80	90	3	40	21	4.7	3.3	181 519 345
80	90	3	50	21	4.7	3.3	181 519 346
100	110	4	15	21	5.7	2.1	181 519 351
100	110	4	20	21	5.7	2.1	181 519 352
100	110	4	25	21	5.7	2.7	181 519 353
100	110	4	40	21	5.7	3.3	181 519 355
100	110	4	50	21	5.7	3.3	181 519 356
125	140	5	25	21	6.7	2.4	181 519 363
125	140	5	32	21	6.7	2.4	181 519 364
125	140	5	40	21	6.7	3.0	181 519 365
125	140	5	50	21	6.7	3.0	181 519 366
150	160	6	25	21	7.7	2.4	181 519 373
150	160	6	32	21	7.7	2.4	181 519 374
150	160	6	40	21	7.7	3.0	181 519 375
150	160	6	50	21	7.7	3.0	181 519 376



Type 519 Diaphragm Valve with butt fusion spigots metric SDR21, PVDF-HP SYGEF Plus, max. pressure 16 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	SDR	e1 (mm)	e3 (mm)	PTFE/EPDM Code
15	20	½	15	21	2.1	2.1	180 519 301
20	25	¾	15	21	2.1	2.1	180 519 303
20	25	¾	20	21	2.1	2.1	180 519 304
25	32	1	15	21	2.7	2.1	180 519 307
25	32	1	20	21	2.7	2.1	180 519 308
25	32	1	25	21	2.7	2.7	180 519 309
32	40	1 ¼	15	21	2.7	2.1	180 519 312
32	40	1 ¼	20	21	2.7	2.1	180 519 313
32	40	1 ¼	25	21	2.7	2.7	180 519 314
32	40	1 ¼	32	21	2.7	2.7	180 519 315
40	50	1 ½	15	21	3.3	2.1	180 519 318
40	50	1 ½	20	21	3.3	2.1	180 519 319
40	50	1 ½	25	21	3.3	2.7	180 519 320
40	50	1 ½	32	21	3.3	2.7	180 519 321
40	50	1 ½	40	21	3.3	3.3	180 519 322
50	63	2	15	21	3.4	2.1	180 519 325
50	63	2	20	21	3.3	2.1	180 519 326
50	63	2	25	21	3.3	2.7	180 519 327
50	63	2	32	21	3.3	2.7	180 519 328
50	63	2	40	21	3.3	3.3	180 519 329
50	63	2	50	21	3.3	3.3	180 519 330
80	90	3	15	21	4.7	2.1	180 519 341
80	90	3	20	21	4.7	2.1	180 519 342
80	90	3	25	21	4.7	2.7	180 519 343
80	90	3	40	21	4.7	3.3	180 519 345
80	90	3	50	21	4.7	3.3	180 519 346
100	110	4	15	21	5.7	2.1	180 519 351
100	110	4	20	21	5.7	2.1	180 519 352
100	110	4	25	21	5.7	2.7	180 519 353
100	110	4	40	21	5.7	3.3	180 519 355
100	110	4	50	21	5.7	3.3	180 519 356



SYGEF Ultra PEEK

Type 519 Diaphragm Valve with butt fusion spigots metric, SYGEF Ultra PEEK, max. pressure 10 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	e1 (mm)	e3 (mm)	PTFE/EPDM Code
15	20	½	15	2.1	2.1	477 519 301
20	25	¾	15	2.1	2.1	477 519 303
20	25	¾	20	2.1	2.1	477 519 304
25	32	1	15	2.1	2.1	477 519 307
25	32	1	20	2.1	2.1	477 519 308
25	32	1	25	2.1	2.1	477 519 309
40	50	1 ½	15	2.5	2.1	477 519 318
40	50	1 ½	20	2.5	2.1	477 519 319
40	50	1 ½	25	2.5	2.1	477 519 320
40	50	1 ½	40	2.5	2.5	477 519 322
50	63	2	15	2.6	2.1	477 519 325
50	63	2	20	2.6	2.1	477 519 326
50	63	2	25	2.6	2.1	477 519 327
50	63	2	40	2.6	2.5	477 519 329
50	63	2	50	2.6	2.6	477 519 330
80	90	3	15	2.6	2.1	477 519 341
80	90	3	20	2.6	2.1	477 519 342
80	90	3	25	2.6	2.1	477 519 343
80	90	3	40	2.6	2.5	477 519 345
80	90	3	50	2.6	2.6	477 519 346
100	110	4	15	3.2	2.1	477 519 351
100	110	4	20	3.2	2.1	477 519 352
100	110	4	25	3.2	2.1	477 519 353
100	110	4	40	3.2	2.5	477 519 355
100	110	4	50	3.2	2.6	477 519 356



Type 519 Diaphragm Valve with butt fusion spigots metric, SYGEF Ultra PEEK, max. pressure 16 bar

DN1 (mm)	d1 (mm)	Size1 (inch)	DN3 (mm)	e1 (mm)	e3 (mm)	PTFE/EPDM Code
15	20	½	15	2.1	2.1	476 519 301
20	25	¾	15	2.1	2.1	476 519 303
20	25	¾	20	2.1	2.1	476 519 304
25	32	1	15	2.1	2.1	476 519 307
25	32	1	20	2.1	2.1	476 519 308
25	32	1	25	2.1	2.1	476 519 309
40	50	1 ½	15	2.5	2.1	476 519 318
40	50	1 ½	20	2.5	2.1	476 519 319
40	50	1 ½	25	2.5	2.1	476 519 320
40	50	1 ½	40	2.5	2.5	476 519 322
50	63	2	15	2.6	2.1	476 519 325
50	63	2	20	2.6	2.1	476 519 326
50	63	2	25	2.6	2.1	476 519 327
50	63	2	40	2.6	2.5	476 519 329
50	63	2	50	2.6	2.6	476 519 330
80	90	3	15	2.6	2.1	476 519 341
80	90	3	20	2.6	2.1	476 519 342
80	90	3	25	2.6	2.1	476 519 343
80	90	3	40	2.6	2.5	476 519 345
80	90	3	50	2.6	2.6	476 519 346
100	110	4	15	3.2	2.1	476 519 351
100	110	4	20	3.2	2.1	476 519 352
100	110	4	25	3.2	2.1	476 519 353
100	110	4	40	3.2	2.5	476 519 355
100	110	4	50	3.2	2.6	476 519 356



Spare parts

Valve body with true union for diaphragm valve type 514

Model:

- Without connection parts

DN (mm)	d (mm)	Size (inch)	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	PVDF HP Code
15	20	½	161 492 062	163 482 052	169 481 322	167 483 522	175 483 682	180 001 002
20	25	¾	161 492 06	163 482 053	169 481 323	167 483 523	175 483 683	180 001 003
25	32	1	161 492 06	163 482 054	169 481 324	167 483 524	175 483 684	180 001 004
32	40	1 ¼	161 492 06	163 482 055	169 481 325	167 483 525	175 483 685	180 001 005
40	50	1 ½	161 492 06	163 482 056	169 481 326	167 483 526	175 483 686	180 001 006
50	63	2	161 492 06	163 482 057	169 481 327	167 483 527	175 483 687	180 001 007



Valve body with spigot ends for diaphragm valve type 515

DN (mm)	d (mm)	Size (inch)	PVC-U solvent cement spigot
15	20	½	161 492 072
20	25	¾	161 492 073
25	32	1	161 492 074
32	40	1 ¼	161 492 075
40	50	1 ½	161 492 076
50	63	2	161 492 077



DN (mm)	d (mm)	Size (inch)	PVC-C solvent cement spigot Code	ABS solvent cement spigot Code	PP-H socket fusion spigot Code	PP-H butt fusion spigot IR Code	PP-N butt fusion spigot IR Code	PVDF socket fusion spigot Code
15	20	½	163 482 062	169 481 862	167 483 342	167 483 882	168 480 462	175 483 692
20	25	¾	163 482 063	169 481 863	167 483 343	167 483 883	168 480 463	175 483 693
25	32	1	163 482 064	169 481 864	167 483 344	167 483 884	168 480 464	175 483 694
32	40	1 ¼	163 482 065	169 481 865	167 483 345	167 483 885	168 480 465	175 483 695
40	50	1 ½	163 482 066	169 481 866	167 483 346	167 483 886	168 480 466	175 483 696
50	63	2	163 482 067	169 481 867	167 483 347	167 483 887	168 480 467	175 483 697



DN (mm)	d (mm)	Size (inch)	PVDF butt fusion spigot IR Code	PVDF HP butt fusion spigot IR Code
15	20	½	175 483 742	180 001 012
20	25	¾	175 483 743	180 001 013
25	32	1	175 483 744	180 001 014
32	40	1 ¼	175 483 745	180 001 015
40	50	1 ½	175 483 746	180 001 016
50	63	2	175 483 747	180 001 017



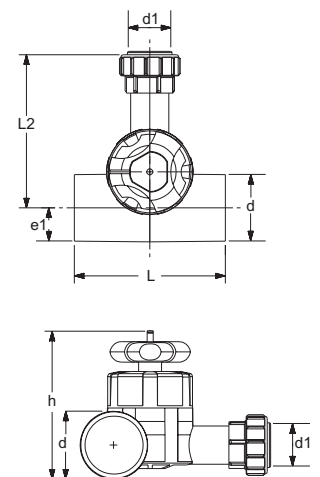
Valve body with butt fusion spigots for diaphragm valve type 519

d (mm)	d1 (mm)	Size (inch)	PP-H Code	PP-Natur Code	PVDF HP Code
20	20	½	167 485 911	168 480 601	180 001 101
25	20	¾	167 485 912	168 480 602	180 001 102
25	25	¾	167 485 913	168 480 603	180 001 103
32	20	1	167 485 914	168 480 604	180 001 104
32	25	1	167 485 915	168 480 605	180 001 105
32	32	1	167 485 916	168 480 606	180 001 106
40	20	1 ¼	167 485 917	168 480 607	180 001 107
40	25	1 ¼			180 001 108
40	32	1 ¼			180 001 109
40	40	1 ¼			180 001 110
50	20	1 ½	167 485 922	168 480 611	180 001 111
50	25	1 ½	167 485 923	168 480 612	180 001 112
50	32	1 ½	167 485 924	168 480 613	180 001 113
50	40	1 ½			180 001 114
50	50	1 ½			180 001 115
63	20	2	167 485 927	168 480 616	180 001 116
63	25	2	167 485 928	168 480 617	180 001 117
63	32	2	167 485 929	168 480 618	180 001 118
63	40	2			180 001 119
63	50	2			180 001 120
63	63	2			180 001 121
90	25	3			180 001 126
90	32	3			180 001 127
90	50	3			180 001 128
90	63	3			180 001 129
110	20	4			180 001 130
110	25	4			180 001 131
110	32	4			180 001 132
110	50	4			180 001 133
110	63	4			180 001 134



Lateral Valve with Union, PN10 PVDF-HP 5 series

d (mm)	d1 (mm)	Code	PN (bar)	L (mm)	L2 (mm)	e1 (mm)	h (mm)	psi at 73° F (psi)
20	20	735 994 525	10	162	118	10.0	85	150
25	20	735 994 526	10	162	130	12.5	93	150
25	25	735 994 527	10	162	132	12.5	93	150
32	20	735 994 529	10	162	142	16.0	100	150
32	25	735 994 528	10	162	144	16.0	100	150
32	32	735 994 530	10	160	146	16.0	123	150
50	20	735 994 537	10	180	156	25.0	122	150
50	25	735 994 538	10	180	158	25.0	145	150
50	32	735 994 539	10	180	160	25.0	145	150
50	50	735 994 541	10	209	202	25.0	189	150
63	20	735 994 543	10	180	166	31.5	136	150
63	25	735 994 544	10	180	168	31.5	159	150
63	32	735 994 545	10	180	170	31.5	159	150
63	50	735 994 547	10	220	225	31.5	202	150
63	63	735 994 548	10	220	227	31.5	202	150
90	20	735 994 558	10	190	181	45.0	185	150
90	25	735 994 559	10	190	183	45.0	185	150
90	32	735 994 560	10	190	185	45.0	185	150
90	50	735 994 562	10	250	240	45.0	229	150
90	63	735 994 563	10	250	242	45.0	229	150
110	20	735 994 566	10	190	193	55.0	204	150
110	25	735 994 567	10	190	195	55.0	204	150
110	32	735 994 568	10	190	197	55.0	204	150
110	50	735 994 570	10	250	252	55.0	249	150
110	63	735 994 571	10	250	254	55.0	249	150



Hand wheel for diaphragm valve type 514/515/517/519

Model:

- Without position indicator

DN (mm)	d (mm)	Size (inch)	Code
15-20	20-25	½-¾	198 204 162
20-32	25-40	¾-1 ¼	198 204 164
40-50	50-63	1½-2	198 204 166



Diaphragm for diaphragm valve type 514/515/517

Model:

- For type 514, 515, 517, 519 and Diastar

DN (mm)	d (mm)	Size (inch)	NBR Code	EPDM Code	FKM Code	PTFE/EPDM Code	PTFE/EPDM HP Code
15	20	½	745 500 012	748 500 012	749 500 012	747 502 012	747 502 032
20	25	¾	745 500 013	748 500 013	749 500 013	747 502 013	747 502 033
25	32	1	745 500 014	748 500 014	749 500 014	747 502 014	747 502 034
32	40	1 ¼	745 500 015	748 500 015	749 500 015	747 502 015	747 502 035
40	50	1 ½	745 500 016	748 500 016	749 500 016	747 502 016	747 502 036
50	63	2	745 500 017	748 500 017	749 500 017	747 502 017	747 502 037



Bonnet complete for diaphragm valve type 514/515/517/519

Model:

- Incl. compressor
- Diaphragm is not included

DN (mm)	d (mm)	Size (inch)	Standard configuration PN10 Code	For pressure tight housing PN10 Code	Standard configuration PN16 Code	For pressure tight housing PN16 Code
15	20	½	198 151 742	198 151 752	198 151 842	198 151 852
20	25	¾	198 151 743	198 151 753	198 151 843	198 151 853
25	32	1	198 151 744	198 151 754	198 151 844	198 151 854
32	40	1 ¼	198 151 745	198 151 755	198 151 845	198 151 855
40	50	1 ½	198 151 746	198 151 756	198 151 846	198 151 856
50	63	2	198 151 747	198 151 757	198 151 847	198 151 857



Position indicator for diaphragm valve type 514/515/517/519

DN (mm)	d (mm)	Size (inch)	Code
15	20	½	167 484 992
20	25	¾	167 484 993
25	32	1	167 484 994
32	40	1 ¼	167 484 995
40	50	1 ½	167 484 996
50	63	2	167 484 997



Spindle assembly for diaphragm valve type 514/515/517/519

Model:

- Incl. compressor
- Position indicator is not included

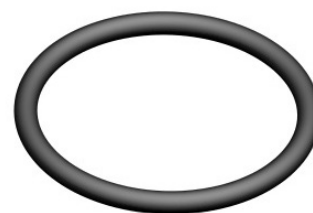
DN (mm)	d (mm)	Size (inch)	Code
15-20	10-25	½-¾	198 204 327
25-32	32-40	1-1 ¼	198 204 328
40-50	50-63	1 ½-2	198 204 329

**Seal set for diaphragm valve type 514/515/517/519**

Model:

- For manual valve - pressure tight housing
- Incl. position indicator

DN (mm)	d (mm)	Size (inch)	EPDM Code
15	20	½	198 000 892
20	25	¾	198 000 893
25	32	1	198 000 894
32	40	1 ¼	198 000 895
40	50	1 ½	198 000 896
50	63	2	198 000 897

**Flat gasket for diaphragm valve type 517**

DN (mm)	d (mm)	Size (inch)	EPDM Code	FKM Code
20	25	¾	748 400 007	749 400 007
25	32	1	748 400 008	749 400 008
32	40	1 ¼	748 400 009	749 400 009
40	50	1 ½	748 400 010	749 400 010
50	63	2	748 400 011	749 400 011

**Flat gasket**

Model:

- Hardness approx. 65° Shore
- For tap connectors No. 21 55 03

Attention:

- For tap connector d16 - 1/2": 748 400 030
- For tap connector d20 - 3/4": 748 400 005
- For tap connector d25 - 1": 748 400 006

d (mm)	EPDM Code	D (mm)	D1 (mm)	H (mm)
16	748 400 030	18	14	2
16	748 400 005	24	17	2
16	748 400 006	30	21	3



O-Ring For union end/diaphragm valve type 514/604, pressure regulating valve type 582/586, variable area flow meter type 123/335/350 and line strainer type 305

Model:

- For flange adaptors, unions and adaptor unions
- For ecoFIT, PROGEF Std/Plus, SYGEF Std
- Hardness approx. 65° Shore
- EPDM minimum temperature -40°C
- FKM minimum temperature -15°C

* For unions PVC-U, PVC-C and ABS: 21 51 01, 21 51 11, 21 53 03, 21 53 08, 21 55 04, 21 55 13, 21 55 18, 23 51 01 and 29 51 01 only.

** For ecoFIT unions 753 518 612 to ...614, 753 528 612 to ...614, 753 518 412 to ...414 and 753 528 412 to ...414.

DN (mm)	d (mm)	EPDM Code	FKM Code	D (mm)	D1 (mm)	D2 (mm)
8	10-20	748 410 004	749 410 004	17.62	12.37	2.62
10	16	748 410 005	749 410 005	20.78	15.54	2.62
10	16	748 410 000	749 410 000	25.70	18.64	3.53
15	20	748 410 006	749 410 006	27.28	20.22	3.53
15	20	748 410 007	749 410 007	35.23	28.17	3.53
20	25	748 410 001	749 410 001	30.46	23.40	3.53
25	32	748 410 008	749 410 008	39.99	32.93	3.53
30	40	748 410 002	749 410 002	43.16	36.10	3.53
30	40	748 410 009	749 410 009	51.33	40.65	5.34
30	40	748 410 003	749 410 003	54.50	43.82	5.34
40	50	748 410 010	749 410 010	57.68	46.99	5.34
50	60	748 410 011	749 410 011	70.37	59.69	5.34
65	75	748 410 012	749 410 012	64.02	53.34	5.34
65	75	748 410 025	749 410 025	76.72	66.04	5.33
65	75	748 410 013	749 410 013	79.9	69.22	5.34
65-80	75-90	748 410 014	749 410 014	92.60	81.92	5.34
80	90	748 410 015	749 410 015	111.68	101.00	5.34
80-100	90-110	748 410 383	749 410 383	85.31	74.63	5.34
100	110	748 410 248	749 410 248	105.30	94.62	5.34
100	110	748 410 384	749 410 384	128.68	114.70	6.99
100	110	748 410 016	749 410 016	134.00	120.20	6.99
100	110	748 410 017	749 410 017	149.90	135.90	6.99
125	140	748 410 018	749 410 018	165.80	151.80	6.99
150	160	748 410 019	749 410 019	184.15	170.17	6.99
200	200	748 410 163	749 410 163	235.60	221.60	6.99
250	250	748 410 173	749 410 173	305.50	291.50	6.99
250	280	748 410 182	749 410 182	280.10	266.10	6.99
300	315	748 410 174	749 410 174	356.30	342.30	6.99



Accessories

Electrical feedback module I40/I41 with limit switches Ag Ni or AU

Model:

- No height increase
- Easy, fast and safe installation
- Accessory to hand operated diaphragm valve 514 - 519
- Self adjusting mechanism
- Including plug 3P+E / protection: IP65

Size	DN (mm)	d (mm)	Size (inch)	Ag Ni Code	AU Code
1	10-20	10-25	3/8-3/4	198 151 335	198 151 336
2	25-32	32-40	1-1 1/4	198 151 337	198 151 338
3	40-50	50-63	1 1/2-2	198 151 339	198 151 340



Strap wrench for diaphragm valves

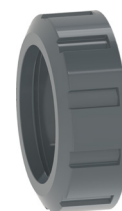
- For tightening and loosening round screwed connections
- Safe screwing and unscrewing of the housing nut
- For quick maintenance of all 5 series diaphragm valves
- Can be used for all dimensions (DN15-DN50)

DN (mm)	d (mm)	Size (inch)	Code
15-50	20-63	1/2-2	198 154 019



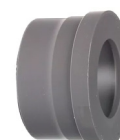
Union nut PVC-C for diaphragm valves type 514, pressure regulating valves type 582/586, variable area flow meters type 123/335/350 and line strainer type 305

DN (mm)	d (mm)	Size (inch)	Code	Thread size	D (mm)	L (mm)
10	16	3/8	723 690 005	3/8	22	21
15	20	1/2	723 690 006	1	28	23
20	25	3/4	723 690 007	1 1/4	36	24
25	32	1	723 690 008	1 1/2	41	26
32	40	1 1/4	723 690 009	2	53	29
40	50	1 1/2	723 690 010	2 1/4	59	34
50	63	2	723 690 011	2 3/4	74	38
63	75	2 1/2	723 690 012	Tr 108x5	92	40
75	90	3	723 690 013	Tr 128x5	110	43
90	110	4	723 690 014	Tr 154x6	133	48



Union end PVC-U Rc for diaphragm valves type 514/DIASTAR, pressure regulating valves type 582/586 and variable area flow meters type 123/335/350 (6)

DN (mm)	d (mm)	Size (inch)	PVC-U Rc Code
15	20	1/2	721 605 606
20	25	3/4	721 605 607
25	32	1	721 605 608
32	40	1 1/4	721 605 609
40	50	1 1/2	721 605 610
50	63	2	721 605 611

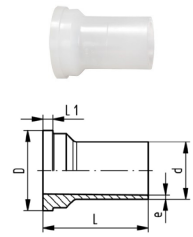


SYGEF Standard Union end SDR21/PN16

Model:

- Material: PVDF

DN (mm)	d (mm)	Size (inch)	Code	SDR	FM	D (mm)	L (mm)	L1 (mm)	e (mm)
15	20	½	735 608 606	21	BCF, IR	30	53	5	1.9
20	25	¾	735 608 607	21	BCF, IR	39	56	5	1.9
25	32	1	735 608 608	21	BCF, IR	45	59	6	2.4
32	40	1 ¼	735 608 609	21	BCF, IR	57	62	6	2.4
40	50	1 ½	735 608 610	21	BCF, IR	63	65	7	3.0
50	63	2	735 608 611	21	BCF, IR	78	68	8	3.0
65	75	2 ½	735 608 612	21	BCF, IR	101	66	9	3.6
80	90	3	735 608 613	21	BCF, IR	101	65	9	4.3
100	110	4	735 608 614	21	BCF, IR	121	65	10	5.3



SYGEF Standard union end socket fusion PN16 for diaphragm valves type 514, pressure regulating valves type 582/586, variable area flow meters type 123/335/350 and line strainer type 305

For diaphragm valves type 514, pressure regulating valves type 582/586, variable area flow meters type 123/335/350 and line strainer type 305.

DN (mm)	d (mm)	Size (inch)	Code	PN (bar)	D (mm)	D1 (mm)	L (mm)	L1 (mm)	z (mm)
10	16	¾	735 600 105	16	24	22	18	4	5
15	20	½	735 600 106	16	30	28	19	5	5
20	25	¾	735 600 107	16	39	36	21	5	5
25	32	1	735 600 108	16	45	42	23	6	5
32	40	1 ¼	735 600 109	16	57	53	25	6	5
40	50	1 ½	735 600 110	16	63	59	28	7	5
50	63	2	735 600 111	16	78	74	32	7	5


Isolation 515 Diaphragm Valve, Flare Adapter

- 32mm Type 515 diaphragm valve with 5/8" flare adapter ends for connection to AquaTap tubing

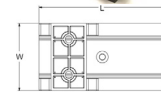
Size (inch)	PN (bar)	Code	L (mm)
5/8	10	157 546 515	328
5/8	10	157 546 516	328



Stress Less Valve Support

- Designed to properly support GF valves when the connected piping moves, due to thermal expansion and contraction. Smooth linear movement (± 3 in) with very low friction. Helps ensure the full design life of piping systems by eliminating stress points.
- For GF metric and IPS valves with integrated support bases. Types 546, 523, 543 horizontal and 5-series diaphragm valves. Manual and actuated.
- Sizes 3/8" – 2" (16mm – 63mm).
- Can be mounted on any flat surface or strut support (shown in image, valve not included).
- Valve support includes base made of glass-filled PP, and upper slider made of PP. Both are black and UV resistant.
- Supplied with 2 stainless steel hex socket screws for mounting valve to upper slider component

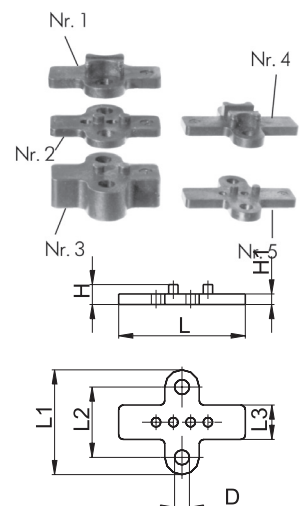
DN (mm)	d (mm)	Size (inch)	Code	H (mm)	w (mm)	L (mm)
10-25	16-32	3/8-1	155 484 120	43	52	160
32-50	40-63	1 1/4-2	155 484 121	33	85	160

**PP mounting block for diaphragm valves**

The mounting blocks for diaphragm valves help compensate for the different distances from the mounting surface to the pipe axis, even when using different dimensions. The blocks can also be used for the PVC diaphragm Valve type 514 to compensate for the coupling nut to the mounting surface.

- Material: PP-GF15, black
- 5 sizes, numbered from 1 to 5
- Adjustable, in order to achieve the desired height

DN (mm)	d-d (mm)	Size (inch)	Block no.	Code	D (mm)	H (mm)	H1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)
15 - 25	20 - 32	1/2 - 1	1	167 480 422	8	11	5	47	42	25	17
15 - 25	20 - 32	1/2 - 1	2	167 480 423	8	7	4	47	42	25	17
15 - 25	20 - 32	1/2 - 1	3	167 480 424	8	17	14	47	42	25	17
32 - 50	40 - 63	1 1/4 - 2	4	167 480 425	10	17	7	80	67	45	22
32 - 50	40 - 63	1 1/4 - 2	5	167 480 426	10	13	7	80	67	45	22



For further information on accessories, refer to the online product catalog at www.gfps.com

Mobile apps and online tools to support configuration and calculation at www.gfps.com/tools

