

SYGEF Plus
Diaphragm valve DIASTAR TenPlus
FC (Fail safe to close)
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

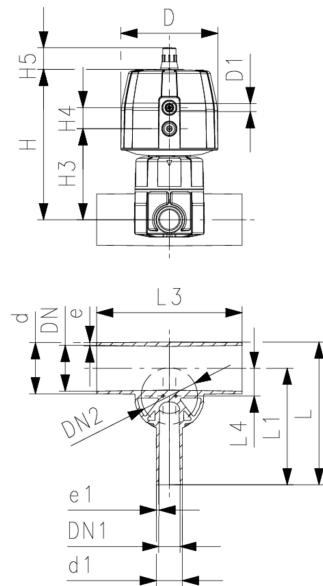
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Working Pressure: **both sides**

* Available on request

*O-ring material: FKM white

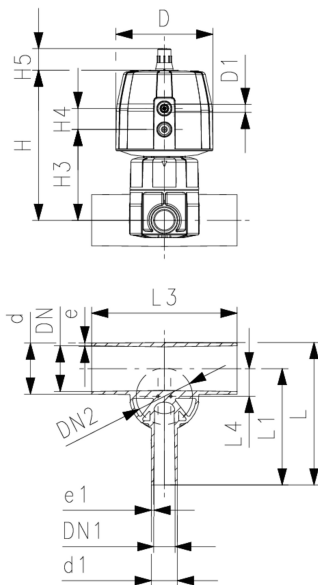


d	d1	DN	DN1	Size	PN	kv-value	Valve	PTFE/EPDM	SP	Weight
(mm)	(mm)	(mm)	(mm)	(inch)	(bar)	($\Delta p=1$ bar)	Size d	Code		(kg)
						(l/min)	(mm)			
20	20	15	15	½	10	57	20	181 689 301	1	1.112
25	20	20	15	¾	10	89	25	181 689 303	1	1.230
25	25	20	20	¾	10	118	25	181 689 304	1	1.233
32	20	25	15	1	10	80	25	181 689 307	1	1.283
32	25	25	20	1	10	105	25	181 689 308	1	1.287
32	32	25	25	1	10	231	32	181 689 309	1	2.391
40	20	32	15	1 ¼	10	85	32	181 689 312	1	2.117
40	25	32	20	1 ¼	10	119	32	181 689 313	1	2.121
40	32	32	25	1 ¼	10	153	32	181 689 314	1	2.139
40	40	32	32	1 ¼	10	187	32	181 689 315	1	2.168
50	20	40	15	1 ½	10	86	25	181 689 318	1	1.402
50	25	40	20	1 ½	10	160	32	181 689 319	1	2.207
50	32	40	25	1 ½	10	206	32	181 689 320	1	2.212
50	40	40	32	1 ½	10	524	63	181 689 321	1	6.022
50	50	40	40	1 ½	10	667	63	181 689 322	1	6.032
63	20	50	15	2	10	84	25	181 689 325	1	1.479
63	25	50	20	2	10	150	32	181 689 326	1	2.292
63	32	50	25	2	10	184	32	181 689 327	1	2.298
63	40	50	32	2	10	471	63	181 689 328	1	6.199
63	50	50	40	2	10	610	63	181 689 329	1	6.264
63	63	50	50	2	10	747	63	181 689 330	1	6.277
90	20	80	15	3	10	82	32	181 689 341	1	2.577
90	25	80	20	3	10	103	32	181 689 342	1	2.584
90	32	80	25	3	10	129	32	181 689 343	1	2.600
90	50	80	40	3	10	623	63	181 689 345	1	6.717
90	63	80	50	3	10	696	63	181 689 346	1	6.745
110	20	100	15	4	10	78	32	181 689 351	1	2.847
110	25	100	20	4	10	103	32	181 689 352	1	2.853
110	32	100	25	4	10	131	32	181 689 353	1	2.870
110	50	100	40	4	10	604	63	181 689 355	1	7.133
110	63	100	50	4	10	661	63	181 689 356	1	7.163

d	PTFE/FKM	SP	Weight
(mm)	Code		(kg)
20	181 689 501	1	1.112
25	181 689 503	1	1.230
25	181 689 504	1	1.233
32	181 689 507	1	1.283
32	181 689 508	1	1.287
32	181 689 509	1	2.063
40	181 689 512	1	2.117

Data sheet

valid from: 2/7/25

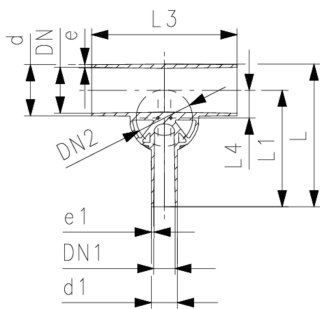
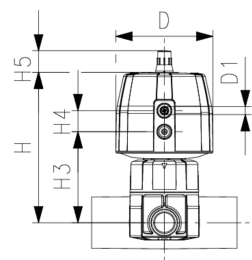


d (mm)	PTFE/FKM Code	SP	Weight (kg)
40	181 689 513	1	2.121
40	181 689 514	1	2.139
40	181 689 515	1	2.168
50	181 689 518	1	1.402
50	181 689 519	1	2.207
50	181 689 520	1	2.212
50	181 689 521	1	6.022
50	181 689 522	1	6.032
63	181 689 525	1	1.479
63	181 689 526	1	2.292
63	181 689 527	1	2.298
63	181 689 528	1	6.199
63	181 689 529	1	6.264
63	181 689 530	1	6.277
90	181 689 541	1	2.577
90	181 689 542	1	2.584
90	181 689 543	1	2.600
90	181 689 545	1	6.717
90	181 689 546	1	6.745
110	181 689 551	1	2.847
110	181 689 552	1	2.853
110	181 689 553	1	2.870
110	181 689 555	1	7.133
110	181 689 556	1	7.163

d (mm)	D (mm)	D1 (inch)	H (mm)	H3 (mm)	H4 (mm)	H5 (mm)	L (mm)	L1 (mm)	L3 (mm)	L4 (mm)	e (mm)	Lift = Hx (mm)	DN2 (mm)	e1 (mm)
20	96	3/8	130	71	25	16	117	96	162	12	1.9	7	15	2
25	96	3/8	131	72	25	16	133	108	162	16	1.9	10	20	2
25	96	3/8	131	72	25	16	133	108	162	16	1.9	10	20	2
32	96	3/8	135	76	25	16	142	120	162	19	2.4	10	20	2
32	96	3/8	135	76	25	16	142	120	162	19	2.4	10	20	2
32	120	1/2	167	93	26	26	145	120	160	19	2.4	13	25	2
40	120	1/2	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	1/2	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	1/2	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	1/2	175	101	26	26	174	153	180	23	2.4	13	25	2
50	96	3/8	148	90	25	16	160	134	180	27	3.0	10	20	2
50	120	1/2	180	106	26	26	160	134	180	28	3.0	13	25	2
50	120	1/2	180	106	26	26	160	134	180	28	3.0	13	25	2
50	180	3/4	249	135	37	26	209	169	209	33	3.0	23	50	2
50	180	3/4	249	135	37	26	209	169	209	33	3.0	23	50	3
63	96	3/8	155	96	25	16	177	144	180	33	3.0	10	20	2
63	120	1/2	187	113	26	26	177	144	180	35	3.0	13	25	2
63	120	1/2	187	113	26	26	177	144	180	35	3.0	13	25	2
63	180	3/4	255	141	37	26	225	192	220	39	3.0	23	50	2
63	180	3/4	255	141	37	26	225	192	220	39	3.0	23	50	3
63	180	3/4	255	141	37	26	225	192	220	39	3.0	23	50	3
90	120	1/2	200	126	26	26	205	159	190	47	4.3	13	25	2
90	120	1/2	200	126	26	26	205	159	190	47	4.3	13	25	2
90	180	3/4	269	155	37	26	254	207	250	51	4.3	23	50	3
90	180	3/4	269	155	37	26	254	207	250	51	4.3	23	50	3
110	120	1/2	209	135	26	26	227	171	190	56	5.3	13	25	2

Data sheet

valid from: 2/7/25



d	D	D1	H	H3	H4	H5	L	L1	L3	L4	e	Lift = Hx	DN2	e1
(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
110	120	1/2	209	135	26	26	227	171	190	56	5.3	13	25	2
110	120	1/2	209	135	26	26	227	171	190	56	5.3	13	25	2
110	180	3/4	279	165	37	26	276	219	250	60	5.3	23	50	3
110	180	3/4	279	165	37	26	276	219	250	60	5.3	23	50	3

The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

Georg Fischer Piping Systems Ltd, Postfach, CH-8201 Schaffhausen/SwitzerlandPhone +41 -(0)52-631 1111e-mail:
info.ps@georgfischer.comInternet: <http://www.gfps.com>