



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

Model:

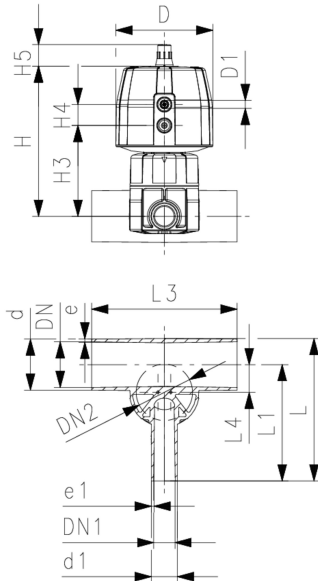
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- **For water use only**

Option:

- Individual configuration of the valve
- Comprehensive range of accessories available

* Available on request

*O-ring material: FKM white

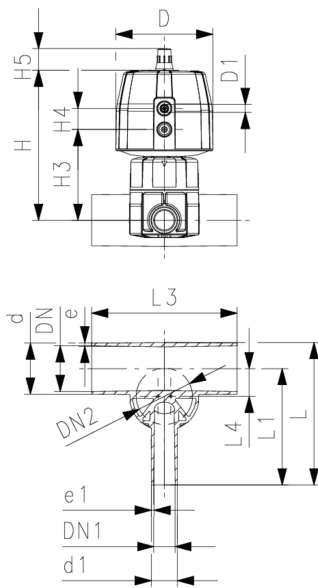


d	DN	DN1	DN2	Size	PN	kv-value	PTFE/ EPDM*	SP	Weight
(mm)	(mm)	(mm)	(mm)	(inch)	(bar)	($\Delta p=1$ bar)	Code		(kg)
						(l/min)			
20	15	15	15	½	16	57	180 639 301	1	1.112
25	20	15	20	¾	16	89	180 639 303	1	1.230
25	20	20	20	¾	16	118	180 639 304	1	1.233
32	25	15	20	1	16	80	180 639 307	1	1.283
32	25	20	20	1	16	105	180 639 308	1	1.287
32	25	25	25	1	16	231	180 639 309	1	2.063
40	32	15	25	1 ¼	16	85	180 639 312	1	2.117
40	32	20	25	1 ¼	16	119	180 639 313	1	2.121
40	32	25	25	1 ¼	16	153	180 639 314	1	2.139
40	32	32	25	1 ¼	16	187	180 639 315	1	2.168
50	40	15	20	1 ½	16	86	180 639 318	1	1.402
50	40	20	25	1 ½	16	160	180 639 319	1	2.207
50	40	25	25	1 ½	16	206	180 639 320	1	2.212
50	40	32	50	1 ½	10	524	180 639 321	1	6.022
50	40	40	50	1 ½	10	667	180 639 322	1	6.032
63	50	15	20	2	16	84	180 639 325	1	1.479
63	50	20	25	2	16	150	180 639 326	1	2.292
63	50	25	25	2	16	184	180 639 327	1	2.298
63	50	32	50	2	10	471	180 639 328	1	6.199
63	50	40	50	2	10	610	180 639 329	1	6.264
63	50	50	50	2	10	747	180 639 330	1	6.277
90	80	15	25	3	16	82	180 639 341	1	2.577
90	80	20	25	3	16	103	180 639 342	1	2.584
90	80	25	25	3	16	129	180 639 343	1	2.600
90	80	40	50	3	10	623	180 639 345	1	6.717
90	80	50	50	3	10	696	180 639 346	1	6.745
110	100	15	25	4	16	78	180 639 351	1	2.847
110	100	20	25	4	16	103	180 639 352	1	2.853
110	100	25	25	4	16	131	180 639 353	1	2.870
110	100	40	50	4	10	604	180 639 355	1	7.133
110	100	50	50	4	10	661	180 639 356	1	7.163

d	D	D1	H	H3	H4	H5	L	L1	L3	L4	e	Lift = Hx	d1	Valve Size d
(mm)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20	96	¾	130	71	25	16	117	96	162	12	1.9	7	20	20
25	96	¾	131	72	25	16	133	108	162	16	1.9	10	20	25
25	96	¾	131	72	25	16	133	108	162	16	1.9	10	25	25
32	96	¾	135	76	25	16	142	120	162	19	2.4	10	20	25
32	96	¾	135	76	25	16	142	120	162	19	2.4	10	25	25
32	120	¾	167	93	26	26	145	120	160	19	2.4	13	32	32

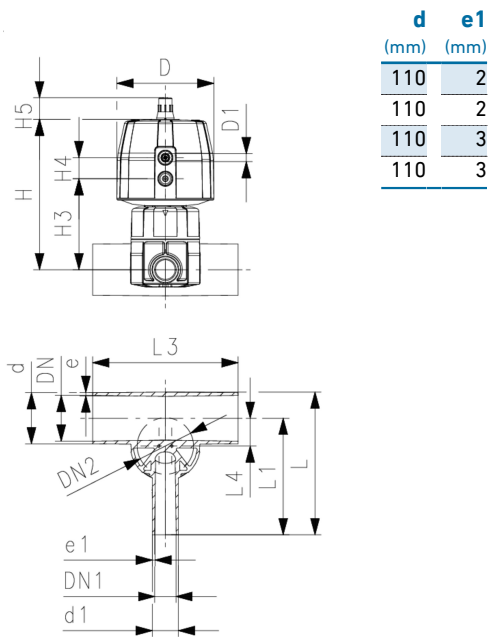
Data sheet

valid from: 8/22/21



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)	d1 (mm)	Valve Size d (mm)
40	120	1/8	175	101	26	26	149	128	180	23	2.4	13	20	32
40	120	1/8	175	101	26	26	149	128	180	23	2.4	13	25	32
40	120	1/8	175	101	26	26	149	128	180	23	2.4	13	32	32
40	120	1/8	175	101	26	26	174	153	180	23	2.4	13	40	32
50	96	1/8	148	90	25	16	160	134	180	27	3.0	10	20	25
50	120	1/8	180	106	26	26	160	134	180	28	3.0	13	25	32
50	120	1/8	180	106	26	26	160	134	180	28	3.0	13	32	32
50	180	1/4	249	135	37	26	209	169	209	33	3.0	23	40	63
50	180	1/4	249	135	37	26	209	169	209	33	3.0	23	50	63
63	96	1/8	155	96	25	16	177	144	180	33	3.0	10	20	25
63	120	1/8	187	113	26	26	177	144	180	35	3.0	13	25	32
63	120	1/8	187	113	26	26	177	144	180	35	3.0	13	32	32
63	180	1/4	255	141	37	26	225	192	220	39	3.0	23	40	63
63	180	1/4	255	141	37	26	225	192	220	39	3.0	23	50	63
63	180	1/4	255	141	37	26	225	192	220	39	3.0	23	63	63
90	120	1/8	200	126	26	26	205	159	190	47	4.3	13	20	32
90	120	1/8	200	126	26	26	205	159	190	47	4.3	13	25	32
90	120	1/8	200	126	26	26	205	159	190	47	4.3	13	32	32
90	180	1/4	269	155	37	26	254	207	250	51	4.3	23	50	63
90	180	1/4	269	155	37	26	254	207	250	51	4.3	23	63	63
110	120	1/8	209	135	26	26	227	171	190	56	5.3	13	20	32
110	120	1/8	209	135	26	26	227	171	190	56	5.3	13	25	32
110	120	1/8	209	135	26	26	227	171	190	56	5.3	13	32	32
110	180	1/4	279	165	37	26	276	219	250	60	5.3	23	50	63
110	180	1/4	279	165	37	26	276	219	250	60	5.3	23	63	63

d (mm)	e1 (mm)
20	2
25	2
25	2
32	2
32	2
32	2
40	2
40	2
40	2
40	2
50	2
50	2
50	2
50	2
50	2
50	3
63	2
63	2
63	2
63	2
63	3
63	3
90	2
90	2
90	2
90	3
90	3
110	2



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.

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