Data sheet

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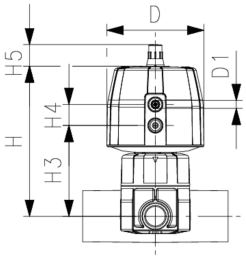

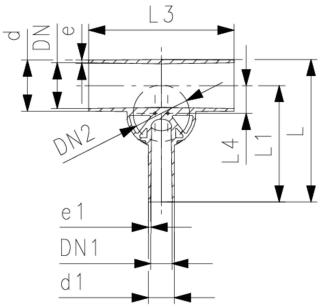

SYGEF Plus Diaphragm valve DIASTAR Sixteen
FC (Fail safe to close)
With butt fusion spigots metric SDR21

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 (mm)	d1 (mm)	DN (mm)	DN1 (mm)	Size (inch)	PN (bar)	kv-value (Δp=1 bar) (l/min)	Valve Size d (mm)	PTFE/ EPDM* Code	SP	Weight (kg)
20	20	15	15	½	16	57	20	**180 639 301**	1	1.112
25	20	20	15	¾	16	89	25	**180 639 303**	1	1.230
25	25	20	20	¾	16	118	25	**180 639 304**	1	1.233
32	20	25	15	1	16	80	25	**180 639 307**	1	1.283
32	25	25	20	1	16	105	25	**180 639 308**	1	1.287
32	32	25	25	1	16	231	32	**180 639 309**	1	2.063
40	20	32	15	1 ¼	16	85	32	**180 639 312**	1	2.117
40	25	32	20	1 ¼	16	119	32	**180 639 313**	1	2.121
40	32	32	25	1 ¼	16	153	32	**180 639 314**	1	2.139
40	40	32	32	1 ¼	16	187	32	**180 639 315**	1	2.168
50	20	40	15	1 ½	16	86	25	**180 639 318**	1	1.402
50	25	40	20	1 ½	16	160	32	**180 639 319**	1	2.207
50	32	40	25	1 ½	16	206	32	**180 639 320**	1	2.212
50	40	40	32	1 ½	10	524	63	**180 639 321**	1	6.022
50	50	40	40	1 ½	10	667	63	**180 639 322**	1	6.032
63	20	50	15	2	16	84	25	**180 639 325**	1	1.479
63	25	50	20	2	16	150	32	**180 639 326**	1	2.292
63	32	50	25	2	16	184	32	**180 639 327**	1	2.298
63	40	50	32	2	16	471	63	**180 639 328**	1	6.199
63	50	50	40	2	16	610	63	**180 639 329**	1	6.264
63	63	50	50	2	16	747	63	**180 639 330**	1	6.277
90	20	80	15	3	16	82	32	**180 639 341**	1	2.577
90	25	80	20	3	16	103	32	**180 639 342**	1	2.584
90	32	80	25	3	16	129	32	**180 639 343**	1	2.600
90	50	80	40	3	10	623	63	**180 639 345**	1	6.717
90	63	80	50	3	10	696	63	**180 639 346**	1	6.745
110	20	100	15	4	16	78	32	**180 639 351**	1	2.847
110	25	100	20	4	16	103	32	**180 639 352**		2.853
110	32	100	25	4	16	131	32	**180 639 353**	1	2.870
110	50	100	40	4	10	604	63	**180 639 355**	1	7.133
110	63	100	50	4	10	661	63	**180 639 356**		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	⅛	130	71	25	16	117	96	162	12	1.9	7	15	2
25	96	⅛	131	72	25	16	133	108	162	16	1.9	10	20	2
25	96	⅛	131	72	25	16	133	108	162	16	1.9	10	20	2
32	96	⅛	135	76	25	16	142	120	162	19	2.4	10	20	2
32	96	⅛	135	76	25	16	142	120	162	19	2.4	10	20	2
32	120	⅛	167	93	26	26	145	120	160	19	2.4	13	25	2

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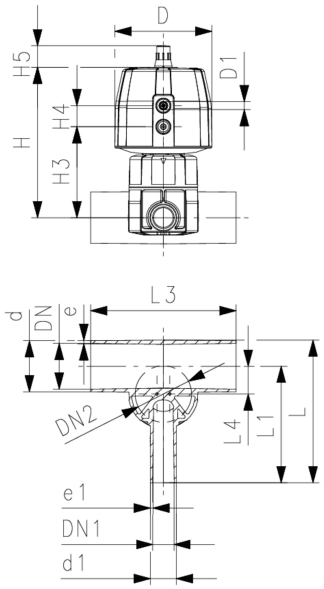

d (mm)	D (mm)	D1 (inch)	H (mm)	H3 (mm)	H4 (mm)	H5 (mm)	L (mm)	L1 (mm)	L3 (mm)	L4 (mm)	e (mm)	Lift = Hx (mm)	DN2 (mm)	e1 (mm)
40	120	⅛	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	⅛	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	⅛	175	101	26	26	149	128	180	23	2.4	13	25	2
40	120	⅛	175	101	26	26	174	153	180	23	2.4	13	25	2
50	96	⅛	148	90	25	16	160	134	180	27	3.0	10	20	2
50	120	⅛	180	106	26	26	160	134	180	28	3.0	13	25	2
50	120	⅛	180	106	26	26	160	134	180	28	3.0	13	25	2
50	180	¼	249	135	37	26	209	169	209	33	3.0	23	50	2
50	180	¼	249	135	37	26	209	169	209	33	3.0	23	50	3
63	96	⅛	155	96	25	16	177	144	180	33	3.0	10	20	2
63	120	⅛	187	113	26	26	177	144	180	35	3.0	13	25	2
63	120	⅛	187	113	26	26	177	144	180	35	3.0	13	25	2
63	180	¼	255	141	37	26	225	192	220	39	3.0	23	50	2
63	180	¼	255	141	37	26	225	192	220	39	3.0	23	50	3
63	180	¼	255	141	37	26	225	192	220	39	3.0	23	50	3
90	120	⅛	200	126	26	26	205	159	190	47	4.3	13	25	2
90	120	⅛	200	126	26	26	205	159	190	47	4.3	13	25	2
90	120	⅛	200	126	26	26	205	159	190	47	4.3	13	25	2
90	180	¼	269	155	37	26	254	207	250	51	4.3	23	50	3
90	180	¼	269	155	37	26	254	207	250	51	4.3	23	50	3
110	120	⅛	209	135	26	26	227	171	190	56	5.3	13	25	2
110	120	⅛	209	135	26	26	227	171	190	56	5.3	13	25	2
110	120	⅛	209	135	26	26	227	171	190	56	5.3	13	25	2
110	180	¼	279	165	37	26	276	219	250	60	5.3	23	50	3
110	180	¼	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.

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