

# Point of Use Valves / T-Valves in investment cast

SED has designed a competitive range of investment cast T-Valves covering all major combinations in loop (main) and point of use sizes (branch). Our capability and experience in investment cast products ensures a reliable casting process and optimized high quality products. In addition all the bodies are checked according to detailed test specifications regarding material structure and density.

The material is according to 1.4435/ 316L ASME BPE with mill certificate 3.1 for traceability.

T-Valve bodies are designed to take or feed working media almost dead leg free. The valve bodies ideally are welded vertically in a main line or applied with several points of use in the main line.

The application can be in any liquid transportation, e.g. water loops and mainly life science markets like pharmacy, biotech, cosmetics, food & beverage, but also in other industries.



Clamps optional

## Features

- Competitive product offering
- Compact design, fully drainable
- Low weight
- Low energy product in terms of heat consumption for cleaning processes and material consumption for the product itself
- Available with manual and pneumatic actuation
- Tube end connection butt weld ends and others like clamps, flanges and unions on request
- Surface mechanically polished from 0,8 µm down to 0,4 Ra µm and e-polished
- **Available butt weld tube end standards:**  
DIN 11850 Series 2, ASTM 269 / ASME BPE, SMS 3008, DIN Selection Series



## Available actuators for assembly\*:

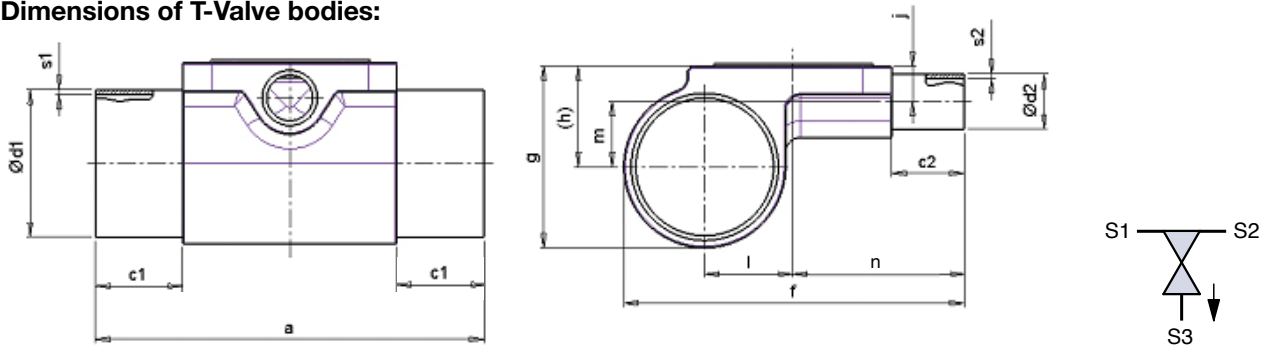
Series	KMA	Steripur	KMA	Steripur
Diaphragm Size	Pneumatically operated		Manually operated	
MA 8	190	207	290	297
MA 10	195	307	295	397
MA 25 - 50	395, 495	407	905, 995	997
MA 80	495	407	995	997

\*For detailed information please see catalogue "Valves for Aseptic Applications"



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## Dimensions of T-Valve bodies:



### Butt weld Tube Ends acc. DIN Selection Series, Code 39

S1, S2 = Main Line / S3 = Branch Line

S1, S2	S3	MA	d1	s1	d2	s2	c1	c2	a	f	g	(h)	j	l	n	m
DN06	DN06	8	8	1	8	1	25	25	82	57	13,3	7,8	6,5	5,8	41	2
DN08	DN06	10	10	1	8	1	20	20	72	52	13,3	12	9,95	7,6	41	3,6
DN08	DN08	10	10	1	10	1	20	20	72	52	13,3	12	9,95	7,6	41	3,6

### Butt weld Tube Ends acc. DIN 11850 Series 2, Code 42

S1, S2 = Main Line / S3 = Branch Line

S1, S2	S3	MA	d1	s1	d2	s2	c1	c2	a	f	g	(h)	j	l	n	m
DN08	DN08	10	13	1,5	13	1,5	20	20	72	52	13,3	12	9,95	7,6	41	3,6
DN10	DN10	8	13	1,5	13	1,5	20	20	72	52	13,3	12	9,95	7,6	41	3,6
DN15	DN10	8	19	1,5	13	1,5	25	25	82	62,95	26,8	16,5	9	11	41	7,5
DN25	DN15	8	29	1,5	19	1,5	25	25	82	73	35,8	20,5	12	16	41	8,5
DN25	DN15	10	29	1,5	19	1,5	25	25	101	87,5	38,5	23,2	12	17,5	54	11,2
DN25	DN25	10	29	1,5	29	1,5	25	25	101	87,5	38,5	23,2	17	17,5	54	6,2
DN40	DN15	10	41	1,5	19	1,5	25	25	101	99,5	50,5	29,2	12,02	23,5	54	17,18
DN40	DN25	25	41	1,5	29	1,5	25	25	124	107,65	54	31,45	17,5	25,5	59	13,95
DN50	DN25	10	53	1,5	29	1,5	25	25	101	111,5	62,5	35,2	17	29,5	54	18,2
DN50	DN50	40	53	1,5	53	1,5	25	25	152	106,3	65,5	37,2	29,5	31,3	71	7,7

### Butt weld Tube Ends acc. ASTM 269 / ASME BPE, Code 45

S1, S2 = Main Line / S3 = Branch Line

S1, S2	S3	MA	d1	s1	d2	s2	c1	c2	a	f	g	(h)	j	l	n	m
DN15 1/2"	DN15 1/2"	8	12,7	1,65	12,7	1,65	25	25	82	56,35	19,15	11,3	8,15	7,5	41	3,15
DN20 3/4"	DN20 3/4"	10	19,05	1,65	19,05	1,65	25	25	101	83,25	26,5	15,7	12,02	11,88	54	3,68
DN25 1"	DN15 1/2"	10	25,4	1,65	12,7	1,65	25	25	101	83,25	32,5	18,3	8,15	15,05	54	10,15
DN25 1"	DN20 3/4"	10	25,4	1,65	19,05	1,65	25	25	101	83	33,5	19,7	15,83	15,55	53,5	3,88
DN25 1"	DN25 1"	10	25,4	1,6	25,4	1,65	25	25	101	83	33,5	19,7	13,7	15,55	53,5	6
DN25 1"	DN25 1"	25	25,4	1,65	25,4	1,65	25	25	124	96	37,15	22,95	22,05	17,6	59	7,3
DN40 1 1/2"	DN15 1/2"	10	38,1	1,65	12,7	1,65	25	25	101	96,45	48,85	28,3	8,15	21,9	54	20,15
DN40 1 1/2"	DN20 3/4"	10	38,1	1,65	19,05	1,65	25	25	101	96	48,5	28	15,83	21,9	53,5	12,18
DN40 1 1/2"	DN25 1"	10	38,1	1,65	25,4	1,65	25	25	101	96	48,5	28	13,7	21,9	53,5	14,3
DN40 1 1/2"	DN40 1 1/2"	25	38,1	1,65	38,1	1,65	25	25	124	104,45	51,75	29,95	22,05	23,9	59	7,9
DN40 1 1/2"	DN40 1 1/2"	40	38,1	1,65	38,1	1,65	25	25	152	117,5	51,3	29,95	22,05	23,8	71	7,7
DN50 2"	DN15 1/2"	10	50,8	1,65	12,7	1,65	25	25	101	109,65	60,2	33,3	8,15	28,75	54	25,15
DN50 2"	DN20 3/4"	25	50,8	1,65	19,05	1,65	25	25	124	117,4	62,7	34,8	12,23	30,5	59	22,58
DN50 2"	DN25 1"	25	50,8	1,65	25,4	1,65	25	25	124	116,5	60,5	34	14	31	58,5	20
DN50 2"	DN40 1 1/2"	25	50,8	1,65	38,1	1,65	25	25	124	117,4	62,7	35,5	22,05	30,5	59	13,45
DN50 2"	DN50 2"	40	50,8	1,65	50,8	1,65	25	25	152	128,96	63,4	36,1	28,4	30,06	71	7,7
DN50 2"	DN50 2"	50	50,8	1,65	50,8	1,65	25	25	173	141	65,4	37,5	28,5	32,75	80	9
DN65 2 1/2"	DN65 2 1/2"	80	63,5	1,65	63,5	1,65	25	25	243	188	84,7	50	34,84	43,1	106,5	15,15

### Butt weld Tube Ends acc. SMS 3008, Code 49

S1, S2 = Main Line / S3 = Branch Line

S1, S2	S3	MA	d1	s1	d2	s2	c1	c2	a	f	g	(h)	j	l	n	m
DN25	DN25	10	25	1,2	25	1,2	25	25	101	83	33,5	19,7	13,7	15,55	53,5	6
DN25	DN25	25	25	1,2	25	1,2	25	25	124	96	37,15	22,95	22,05	17,6	59	7,3
DN40	DN25	10	38	1,2	25	1,2	25	25	101	96	48,5	28	13,7	21,9	53,5	14,3
DN40	DN40	25	38	1,2	38	1,2	25	25	124	104,5	51,75	29,95	22,05	23,9	59	7,9
DN40	DN40	40	38	1,2	38	1,2	25	25	152	117,5	51,3	29,95	22,05	23,8	71	7,7
DN50	DN25	25	51	1,2	25	1,2	25	25	124	116,5	60,5	34	14	31	58,5	20
DN50	DN40	25	51	1,2	38	1,2	25	25	124	117,4	62,7	35,5	22,05	30,5	59	13,45
DN50	DN50	40	51	1,2	51	1,2	25	25	152	129	63,4	36,1	28,4	30,06	71	7,7
DN50	DN50	50	51	1,2	51	1,2	25	25	173	141	65,4	37,5	28,5	32,75	80	9
DN65	DN65	80	63,5	1,6	63,5	1,6	25	25	243	188	84,7	50	34,84	43,1	106,5	15,15