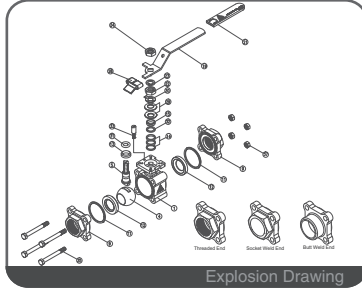
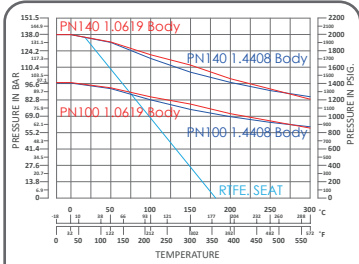




# V-355A

## Three Pieces Ball Valve ISO 5211 Direct Mounted / Reduced Bore Fugitive Emission - TA-LUFT PN140/100/63 / DN8 ~ DN100



### FEATURES

- Investment Cast Body Construction
- 3 Pieces Body Design
- ISO 5211 Direct Mounting Flange
- Blow-Out-Proof Stem Design & Anti-Static Device
- Integral Seat & Body Seal Design for DN80 ~ DN100
- Available for Pneumatic or Electric Actuator
- NACE MR0175 is available upon request
- Super Alloy materials for highly corrosive medium are available upon request

**AUTOMATION AVAILABLE**

### SPECIFICATIONS

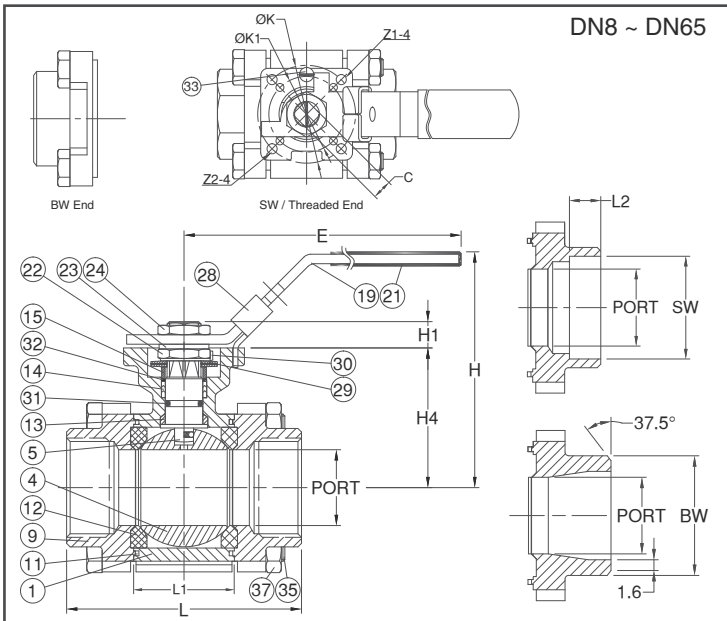
- Size Range DN8 ~ DN100 ( 1/4" ~ 4" )
- End Connection Threaded / Socket / Butt Weld Ends
- Working Pressure PN140 for DN15 ~ DN32  
PN100 for DN40~ DN65  
PN63 for DN80 ~ DN100
- Steam Pressure 150 PSIG. Saturated Steam for RTFE.
- Temperature Range -4 to 356 °F ( -20 to 180 °C ) for RTFE.

### STANDARDS

- Design EN 12516-1/2/3
- Mounting Flange ISO 5211
- Threaded End NPT/ BS 21 ( BSP ) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Socket Weld End ASME/ANSI B16.11
- Butt Weld End ASME/ANSI B16.25
- Face to Face Manufacturer Standard
- Material EN1503-1
- Pressure Testing EN 12266

### CERTIFICATE

- Fire Safe **OPTION** API 607 Fire Safe Design
- Fugitive Emission TA-LUFT
- Quality Assurance ISO 9001
- Material Certificate EN 10204-3.1 MTR
- CE Approval PED 97/23/EC Module H



### MATERIAL LIST

NO.	PART NAME	MATERIAL ( more options available )	
1	BODY	EN1503-1 1.4408	EN1503-1 1.0619
4	BALL	ASTM A351 Gr.CF8M	
5	STEM	ASTM A276 Gr.316	
9	END CAP	EN1503-1 1.4408	EN1503-1 1.0619
11	BODY SEAL	PTFE.	
12	SEAT	RTFE.(15%G.F.)	
13	THRUST WASHER	RTFE.(15%G.F.)	
14	STEM PACKING	RTFE.(15%G.F.)	
15	GLAND BUSH	SS304	
19	HANDLE	SS304	
21	HANDLE COVER	PLASTIC	
22	STEM NUT	SS304	
23	HANDLE WASHER	SS304	
24	HANDLE NUT	SS304	
28	LOCKING DEVICE	SS304	
29	BELLEVILLE WASHER	SUS301	
30	TAB WASHER	SS304	
31	STEM O-RING	VITON®	
32	PACKING FOLLOWER	PTFE.+25%G.F.	
33	STOP PIN	SS304	
35	BODY BOLT	SS304	
37	BOLT NUT	SS304	

### DIMENSION

SIZE	PORT	unit : mm															
		L		L1	E	H	H1	H4	C	ØK	ØK1	Z1	Z2	L2	SW	BW	
		TH/SW	BW														
DN8	1/4"	11.5	67.9	62.5	22.5	112.0	77.9	8.0	42.0	9.0	50 / F05	36 / F03	7.0	6.0	10.0	14.2	13.7
DN10	3/8"	12.0	67.9	62.5	22.5	112.0	77.9	8.0	42.0	9.0	50 / F05	36 / F03	7.0	6.0	10.0	17.5	17.1
DN15	1/2"	12.0	67.9	66.1	22.5	112.0	77.9	8.0	42.0	9.0	50 / F05	36 / F03	7.0	6.0	10.0	21.8	21.3
DN20	3/4"	15.0	71.1	70.1	22.5	112.0	77.9	8.0	42.0	9.0	50 / F05	36 / F03	7.0	6.0	13.0	27.4	26.7
DN25	1"	20.0	76.1	77.1	27.5	112.0	81.8	8.5	45.0	9.0	50 / F05	36 / F03	7.0	6.0	13.0	34.1	33.4
DN32	1-1/4"	25.0	84.6	86.6	34.0	136.0	90.5	9.5	53.5	9.0	50 / F05	36 / F03	7.0	6.0	13.0	42.7	42.2
DN40	1-1/2"	32.0	98.1	98.1	42.5	185.0	98.0	9.5	59.0	9.0	50 / F05	36 / F03	7.0	6.0	13.0	49.0	48.3
DN50	2"	38.0	111.2	107.0	52.0	197.9	114.7	14.0	74.8	14.0	70 / F07	50 / F05	9.0	7.0	16.0	61.2	60.3
DN65	2-1/2"	50.0	140.7	128.7	63.5	197.9	124.0	13.7	83.5	14.0	70 / F07	50 / F05	9.0	7.0	16.0	77.0	73.0

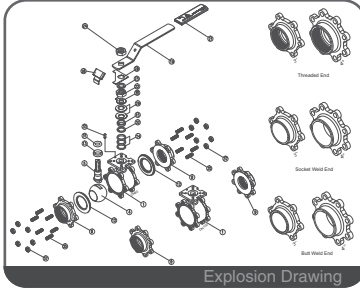
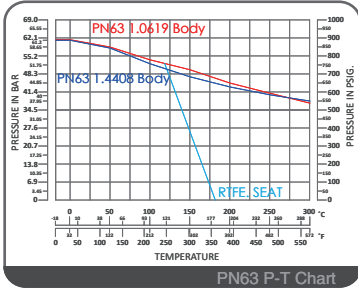
### DIMENSION

SIZE	PORT	unit : inch															
		L		L1	E	H	H1	H4	C	ØK	ØK1	Z1	Z2	L2	SW	BW	
		TH/SW	BW														
DN8	1/4"	0.45	2.67	2.46	0.89	4.41	3.07	0.31	1.65	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.39	0.56	0.54
DN10	3/8"	0.49	2.67	2.46	0.89	4.41	3.07	0.31	1.65	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.39	0.69	0.67
DN15	1/2"	0.47	2.67	2.60	0.89	4.41	3.07	0.31	1.65	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.39	0.86	0.84
DN20	3/4"	0.59	2.80	2.76	1.08	4.41	3.07	0.31	1.65	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.51	1.08	1.05
DN25	1"	0.79	3.00	3.04	1.34	4.41	3.22	0.33	1.77	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.51	1.34	1.31
DN32	1-1/4"	0.98	3.33	3.41	1.67	5.35	3.56	0.37	2.11	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.51	1.68	1.66
DN40	1-1/2"	1.26	3.86	3.86	2.05	7.28	3.86	0.37	2.32	0.35	1.97 / F05	1.42 / F03	0.28	0.24	0.51	1.93	1.90
DN50	2"	1.50	4.38	4.21	2.50	7.79	4.52	0.55	2.94	0.55	2.76 / F07	1.97 / F05	0.35	0.28	0.63	2.41	2.37
DN65	2-1/2"	1.97	5.54	5.07	3.37	7.79	4.88	0.54	3.29	0.55	2.76 / F07	1.97 / F05	0.35	0.28	0.63	3.03	2.87



# V-355A

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### FEATURES

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- 3 Pieces Body Design
- ISO 5211 Direct Mounting Flange
- Blow-Out-Proof Stem Design & Anti-Static Device
- Integral Seat & Body Seal Design for DN80 ~ DN100
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**AUTOMATION AVAILABLE**

### SPECIFICATIONS

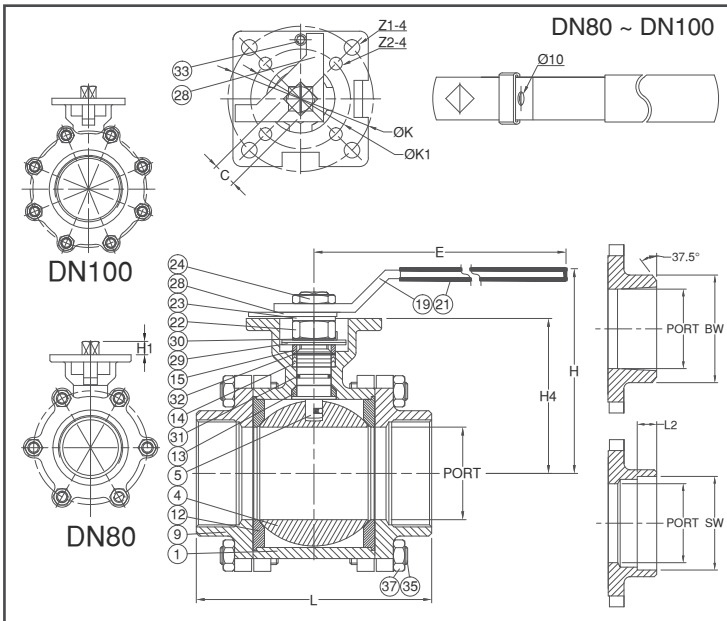
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- End Connection: Threaded / Socket / Butt Weld Ends
- Working Pressure: PN140 for DN15 ~ DN32  
PN100 for DN40~ DN65  
PN63 for DN80 ~ DN100
- Steam Pressure: 150 PSIG. Saturated Steam for RTFE.
- Temperature Range: -4 to 356 °F ( -20 to 180 °C ) for RTFE.

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- Mounting Flange: ISO 5211
- Threaded End: NPT/ BS 21 ( BSP ) / BSPT / ISO 228-1 / DIN 2999 / ISO 7-1Rp
- Socket Weld End: ASME/ANSI B16.11
- Butt Weld End: ASME/ANSI B16.25
- Face to Face: Manufacturer Standard
- Material: EN1503-1
- Pressure Testing: EN 12266

### CERTIFICATE

- Fire Safe **OPTION**: API 607 Fire Safe Design
- Fugitive Emission: TA-LUFT
- Quality Assurance: ISO 9001
- Material Certificate: EN 10204-3.1 MTR
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13	THRUST WASHER	RTFE.(15%G.F.)
14	STEM PACKING	RTFE.(15%G.F.)
15	GLAND BUSH	SS304
19	HANDLE	SS304
21	HANDLE COVER	PLASTIC
22	STEM NUT	SS304
23	HANDLE WASHER	SS304
24	HANDLE NUT	SS304
28	STOP PLATE	SS304
29	BELLEVILLE WASHER	SUS301
30	TAB WASHER	SS304
31	O-RING	VITON®
32	PACKING FOLLOWER	PTFE.+25%G.F.
33	STOP PIN	SS304
35	BODY BOLT	SS304
37	BOLT NUT	SS304

### DIMENSION

SIZE	PORT	L		L1	E	H	H1	H4	C	ØK	ØK1	Z1	Z2	L2	SW	BW	
		TH/SW	BW														
DN80	3"	65.0	178.0	170.7	85.5	267	155.0	18	108.8	17	102 / F10	70 / F07	11	9	16	90.2	88.9
DN100	4"	80.0	204.0	190.0	102.0	267	160.7	18	118.3	17	102 / F10	70 / F07	11	9	20	115.5	114.3

### DIMENSION

SIZE	PORT	L		L1	E	H	H1	H4	C	ØK	ØK1	Z1	Z2	L2	SW	BW	
		TH/SW	BW														
DN80	3"	2.56	7.01	6.72	3.37	10.51	6.10	0.71	4.28	0.67	4.02 / F10	2.76 / F07	0.43	0.35	0.63	3.55	3.50
DN100	4"	3.15	8.03	7.48	4.02	10.51	6.33	0.71	4.66	0.67	4.02 / F10	2.76 / F07	0.43	0.35	0.79	4.55	4.50