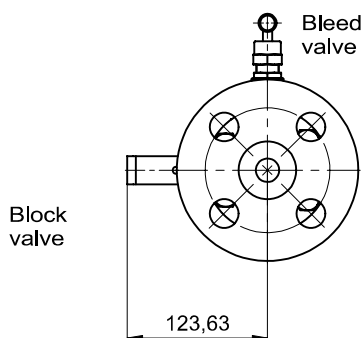
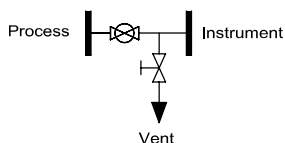


PROCESS INTERFACE VALVES
FULL BORE - SBB - FLANGE x FLANGE

HT-17056/GB

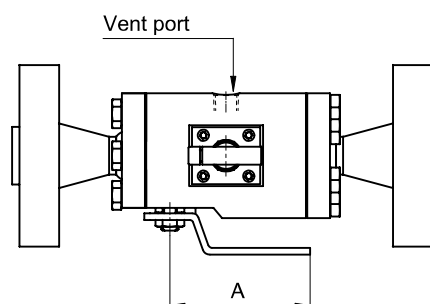
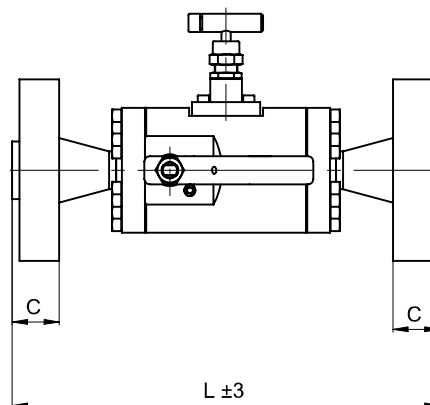


Block valve



CHARACTERISTICS

- Full bore
- Design ASME B16.34
- Side Entry
- Three pieces
- Floating ball
- Anti-blowout
- Antistatic
- Fire Safe API 607
- Needle valve bolted bonnet



Flange size	Orifice Ø	Dimensions															
		A	B	C						L							
				CL 300/600		CL 900/1500		CL 2500		CL 300		CL600		CL 900/1500		CL 2500	
				RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ
3/4"	15.5	160	90	22.2	22.2	31.7	31.7	38	38	269	269	271	271	297	297	315	315
1"	21	160	90	23.8	23.8	35	35	41.3	41.3	280	280	284	284	306	306	338	338
1 1/2"	34	200	140	28.6	28.6	38	38	50.8	52.4	331	332.6	343	344.6	369	370.6	425	426.6
2"	43	290	160	31.7	33.3	44.5	46	57.3	59	382	384	392	394	450	452	500	502

Identification of references

Figure **I41** **05** **06** **E** **P** **A** **S** **.001**

Figure _____
 Process connection _____
 Flange size _____
 ASME Class _____
 Flange facing finish _____

Materials _____
 Special service _____
 Seal _____
 Ball + Trim _____

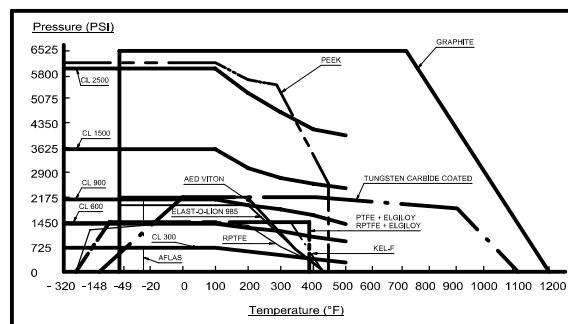
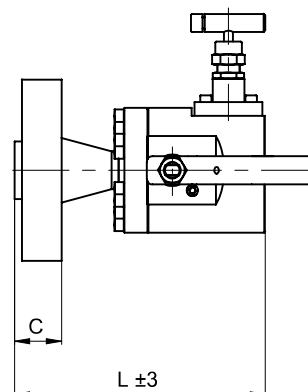
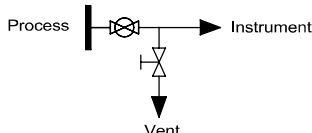
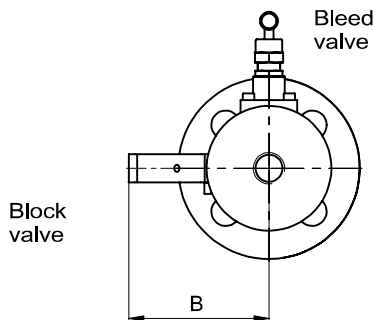


Figure	ID	Process connection flange size	ID	ASME Class	ID	Flange facing finish	ID	Ball + Trim	ID	Seal	ID	Special service	ID	Materials	ID
H.1/4"NPT	I40	NPS 3/4" (DN 20)	05	CL. 300	03	RF (Serrated spiral) (1)	E	316, 316 + PEEK	P	AED VITON	A	Standard	S	F316/L S.S.	.001
H.1/2"NPT	I41	NPS 1" (DN 25)	06	CL. 600	06	RF (Serrated concentric)	C	316, 316 + KEL-F	K	RPTFE + ELGILOY	B	NACE (2)	N	A105	.005
		NPS 1 1/2" (DN 40)	08	CL. 900/1500	15	RTJ (Octagonal gasket)	O	316, 316 + RPTFE	R	AFLAS	C			A350 LF2	.056
		NPS 2" (DN 50)	09	CL. 2500	25	(1) Standard		316, 316 + TUNGSTEN CARBIDE COATED	T	ELAST-O-LION 985	D	(2) MR0175		Duplex	.024
										GRAPHITE	G			S. Duplex	.025

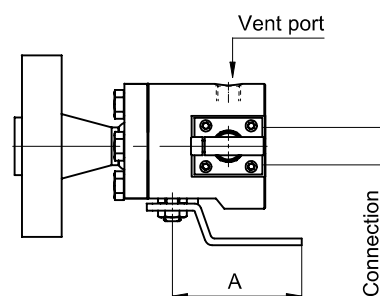
PROCESS INTERFACE VALVES
FULL BORE - SBB - FLANGE x THREAD

HT-17057/GB



CHARACTERISTICS

- Full bore
- Design ASME B16.34
- Side Entry
- Floating ball
- Anti-blowout
- Antistatic
- Fire Safe API 607
- Needle valve bolted bonnet



Flange size	Orifice Ø	Dimensions															
		A	B	C						L							
				CL 300/600		CL 900/1500		CL 2500		CL 300		CL 600		CL 900/1500		CL 2500	
				RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ
3/4"	15.5	160	90	22.2	22.2	31.7	31.7	38	38	187	187	188	188	201	201	210	210
1"	21	160	90	23.8	23.8	35	35	41.3	41.3	192	192	194	194	205	205	221	221
1 1/2"	34	200	140	28.6	28.6	38	38	50.8	52.4	228	229.6	234	235.6	247	248.6	275	276.6
2"	43	290	160	31.7	33.3	44.5	46	57.3	59	263	264.7	268	269.7	297	298.7	322	323.7

Identification of references

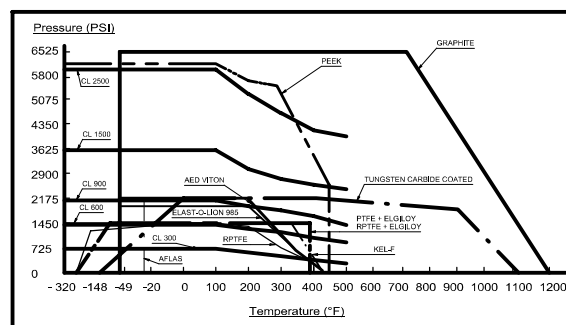
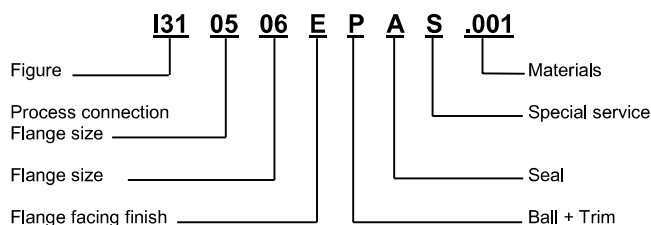
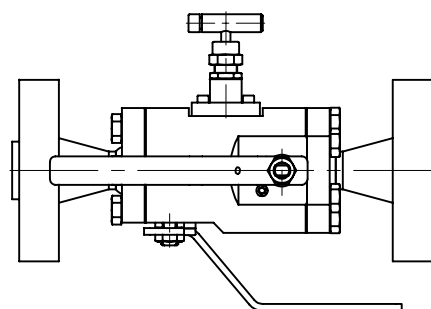
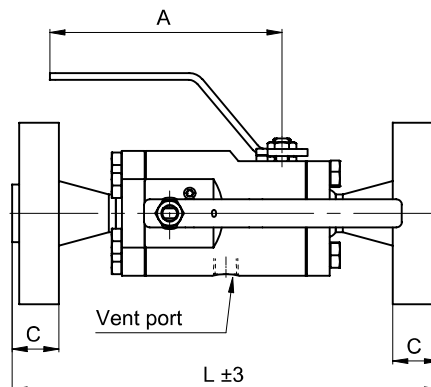
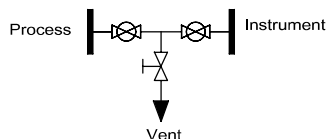
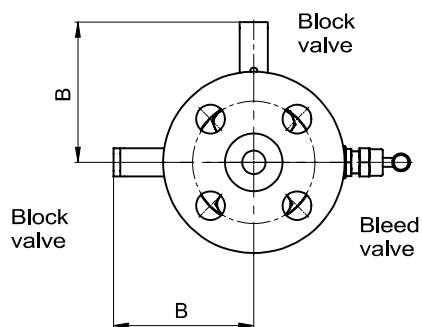


Figure		ID	Process connection flange size	ID	ASME Class	ID	Flange facing finish	ID	Ball + Trim	ID	Seal	ID	Special service	ID	Materials	ID
Outlet connection	Vent port															
F.1/2"NPT	F.1/4"NPT	I30	NPS 3/4" (DN 20)	05	CL. 300	03	RF (Serrated spiral) (1)	E	316, 316 + PEEK	P	AED VITON	A	Standard	S	F316/L S.S.	.001
F.1/2"NPT	F.1/2"NPT	I31	NPS 1" (DN 25)	06	CL. 600	06	RF (Serrated concentric)	C	316, 316 + KEL-F	K	RPTFE + ELGILOY	B	NACE (2)	N	A105	.005
F.3/4"NPT	F.1/4"NPT	I32	NPS 1 1/2" (DN 40)	08	CL. 900/1500	15	RTJ (Octagonal gasket)	O	316, 316 + RPTFE	R	AFLAS	C	(2) MR0175		A350 LF2	.056
F.3/4"NPT	F.1/2"NPT	I33	NPS 2" (DN 50)	09	CL. 2500	25	(1) Standard		316, 316 + TUNGSTEN CARBIDE COATED	T	ELAST-OLION 985	D			Duplex	.024
											GRAPHITE	G			S. Duplex	.025

PROCESS INTERFACE VALVES
FULL BORE - DBB - FLANGE x FLANGE

HT-17054/GB



CHARACTERISTICS

- Full bore
- Design ASME B16.34
- Side Entry
- Three pieces
- Floating ball
- Anti-blowout
- Antistatic
- Fire Safe API 607
- Needle valve bolted bonnet

Flange size	Orifice Ø	Dimensions															
		A	B	C						L							
				CL 300/600		CL 900/1500		CL 2500		CL 300		CL 600		CL 900/1500		CL 2500	
				RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ
3/4"	15.5	200	119	22.2	22.2	31.7	31.7	38	38	311	311	313	313	339	339	357	357
1"	21	200	119	23.8	23.8	35	35	41.3	41.3	319	319	323	323	345	345	377	377
1 1/2"	34	290	170	28.6	28.6	38	38	50.8	52.4	442	442	448	448	474	474	530	533.2
2"	43	370	200	31.7	33.3	44.5	46	57.3	59	527	523.8	537	540	595	598	645	648.4

Identification of references

Figure **I53** **05** **06** **E** **P** **A** **S** **.001**

Process connection flange size

ASME Class

Flange facing finish

Materials

Special service

Seal

Ball + Trim

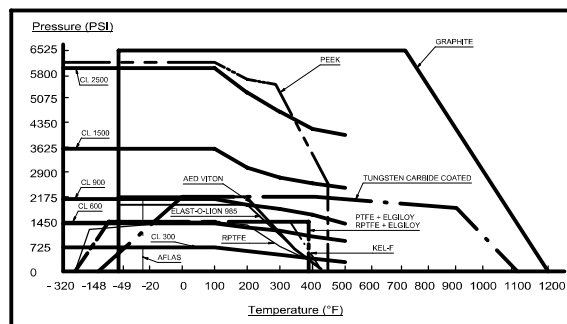
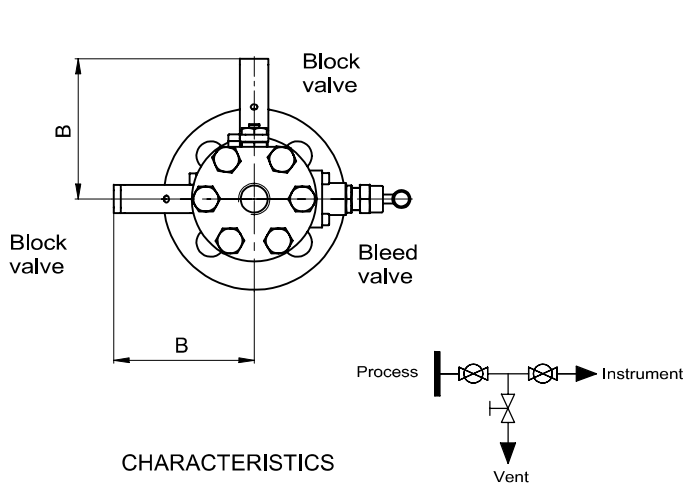


Figura	ID	Process connection flange size	ID	ASME Class	ID	Flange facing finish	ID	Bola + Trim	ID	Seal	ID	Special service	ID	Materials	ID
Vent port															
H. 1/4"NPT	I52	NPS 3/4" (DN 20)	05	CL. 300	03	RF (Serrated spiral) (1)	E	316, 316 + PEEK	P	AED VITON	A	Standard	S	F316/L S.S.	.001
H. 1/2"NPT	I53	NPS 1" (DN 25)	06	CL. 600	06	RF (Serrated concentric)	C	316, 316 + KEL-F	K	RPTFE + ELGILOY	B	NACE (2)	N	A105	.005
		NPS 1 1/2" (DN 40)	08	CL. 900/1500	15	RTJ (Octagonal gasket)	O	316, 316 + RPTFE	R	AFLAS	C			A350 LF2	.056
		NPS 2" (DN 50)	09	CL. 2500	25	(1) Standard		316, 316 + TUNGSTEN CARBIDE COATED	T	ELAST-O-LION 985	D	(2) MR0175		Duplex	.024
										GRAPHITE	G			S. Duplex	.025

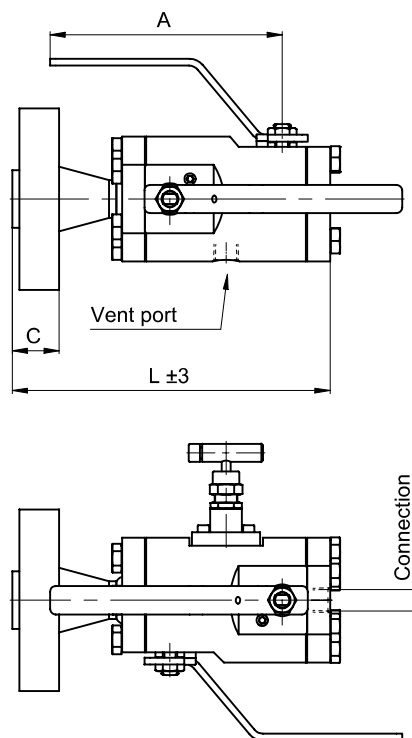
PROCESS INTERFACE VALVES
FULL BORE - DBB - FLANGE x THREAD

HT-17055/GB



CHARACTERISTICS

- Full bore
- Design ASME B16.34
- Side Entry
- Three pieces
- Floating ball
- Anti-blowout
- Antistatic
- Fire Safe API 607
- Needle valve bolted bonnet



Flange size	Orifice Ø	Dimensions															
		A	B	C						L							
				CL 300/600		CL 900/1500		CL 2500		CL 300		CL600		CL 900/1500		CL 2500	
				RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ	RF	RTJ
3/4"	15.5	200	119	22.2	22.2	31.7	31.7	38	38	259	259	260	260	273	273	282	282
1"	21	200	119	23.8	23.8	35	35	41.3	41.3	263	263	265	265	276	276	292	292
1 1/2"	34	290	170	28.6	28.6	38	38	50.8	52.4	368	269.6	374	375.6	387	388.6	415	416.6
2"	43	370	200	31.7	33.3	44.5	46	57.3	59	450	451.7	455	456.7	484	485.7	509	510.7

Identification of references

Figure **I96** **05** **06** **E** **P** **A** **S** **.001**

Figure _____
 Process connection _____
 Flange size _____
 Flange size _____
 Flange facing finish _____

Materials
 Special service
 Seal
 Ball + Trim

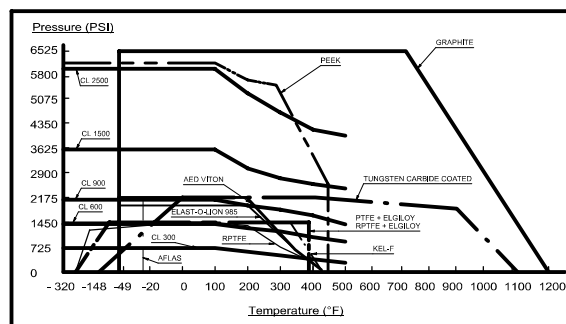


Figure		ID	Process connection flange size	ID	ASME Class	ID	Flange facing finish	ID	Ball + Trim	ID	Seal	ID	Special service	ID	Materials	ID
Outlet connection	Vent port															
F. 1/2"NPT	F. 1/4"NPT	I95	NPS 3/4" (DN 20)	05	CL. 300	03	RF (Serrated spiral) (1)	E	316, 316 + PEEK	P	AED VITON	A	Standard	S	F316/L S.S.	.001
F. 1/2"NPT	F. 1/2"NPT	I96	NPS 1" (DN 25)	06	CL. 600	06	RF (Serrated concentric)	C	316, 316 + KEL-F	K	RPTFE + ELGILOY	B	NACE (2)	N	A105	.005
F. 3/4"NPT	F. 1/4"NPT	I97	NPS 1 1/2" (DN 40)	08	CL. 900/1500	15	RTJ (Octagonal gasket)	O	316, 316 + RPTFE	R	AFLAS	C			A350 LF2	.056
F. 3/4"NPT	F. 1/2"NPT	I98	NPS 2" (DN 50)	09	CL. 2500	25	(1) Standard		316, 316 + TUNGSTEN CARBIDE COATED	T	ELAST-O-LION 985	D	(2) MR0175		Duplex	.024
											GRAPHITE	G			S. Duplex	.025