F32

Stainless steel
angle seat valve-type F32

F32-H

F32-L

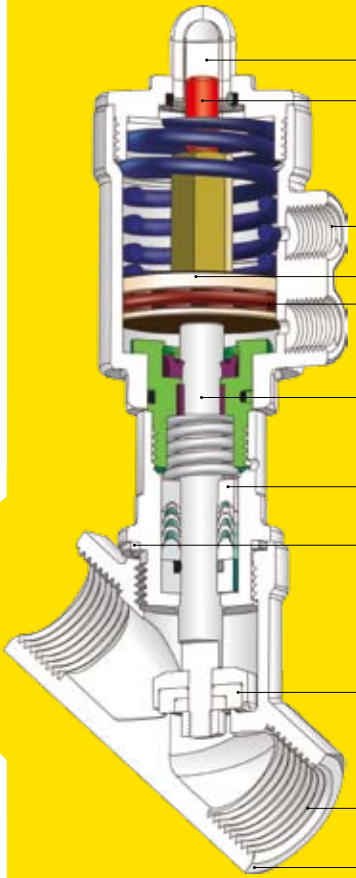
Application

High-Flyer stainless steel angle seat valve F32 series have more compact structure, using for various industries where smaller valve actuator size required. This series have two types, type F32-L and type F32-H. F32-H can support higher medium temperature than F32-L.

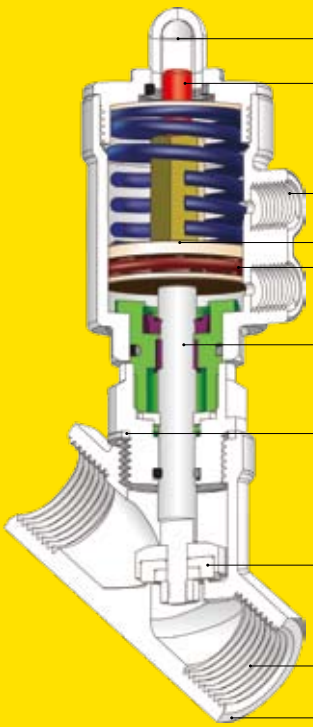
Technical Data

Joint size:	DN10-DN20
Thread:	BSP, BSPT.NPT, NPTF
Welded:	ISO1127/4200, DIN11850.1, DIN11850.2 DIN11850.3, SMS3008, ASME BPE
Valve body:	CF8/CF8M
Actuator:	CF8
Seat seals:	PTFE/RTFE
Stem seals:	PTFE/FKM
Piston seals:	FKM/NBR
Applicable medium:	Water, liquid, neutral gas, Water steam, Slight corrosive gas and liquid
Temperature range:	-10℃to+180℃ (F32-H) -10℃to+100℃ (F32-L)
Ambient temperature:	-10℃to+60℃
Viscosity:	max 600mm^2/s
Installation:	Any position
Controlling medium:	Air or neutral gas
Controlling pressure range:	0.3-1Mpa

F32-H / F32-L



Top cap PC
Position indicator Red PP
Joint G1/8
Piston Aluminium
Piston ring NBR / FKM
Stem SS316
Sealing Part PTFE
Connecting seals PTFE / RTFE
Seat PTFE / RTFE
Joint BSP / NPTF / Welded
Body CF8 / CF8M



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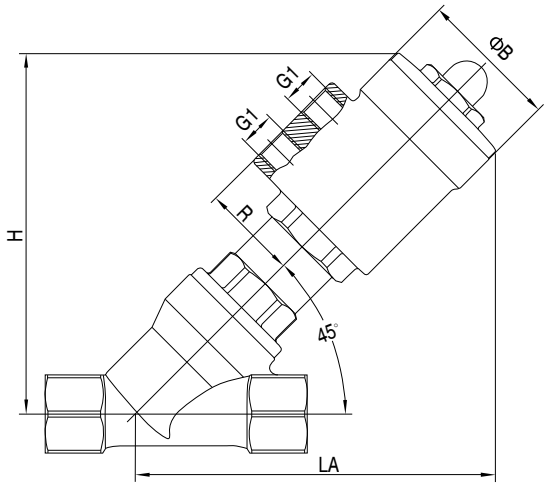
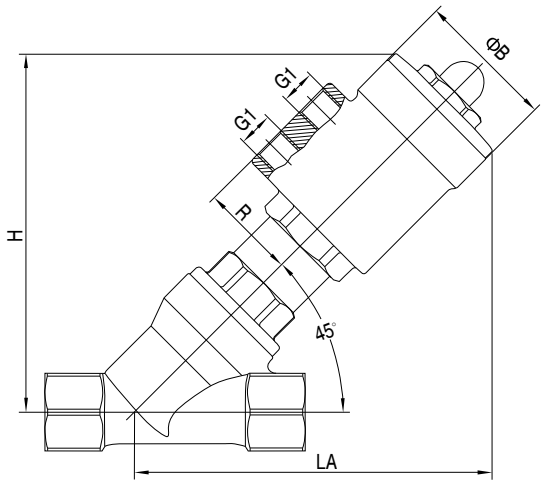
Installation Dimensions



F32-H Installation size (mm)

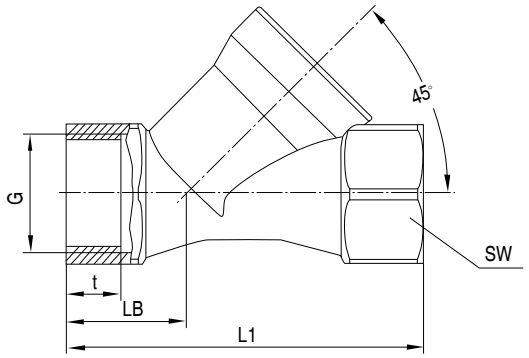
Size	Actuator	ΦB	R	G1	H/LA		
					Thread	Welded ISO1127/4200	Welded DIN11850
DN10	32	40	27	G1/8	102	103	103
DN15	32	40	27	G1/8	102	102	102
DN20	32	40	27	G1/8	106	106	106

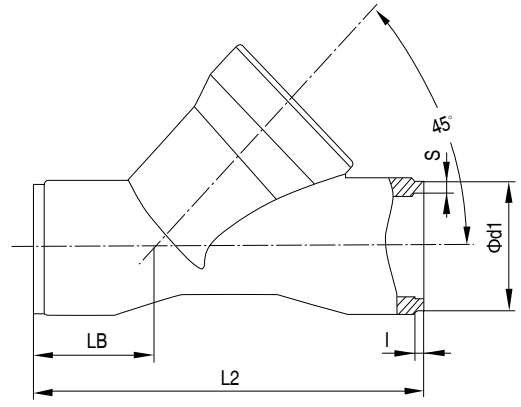


F32-L Installation size (mm)

Size	Actuator	ΦB	R	G1	H/LA		
					Thread	Welded ISO1127/4200	Welded DIN11850
DN10	32	40	27	G1/8	90	91	91
DN15	32	40	27	G1/8	90	90	90
DN20	32	40	27	G1/8	96	96	96

Valve Body Size





Body size-Thread (mm)

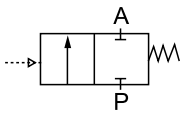
						BSP	NPT	NPTF	BSPT
DN	L1	LB	SW		G	t	t	t	t
10	74	25.5	22	6-kt	3/8″	10	10.6	11.7	10.1
15	74	25.5	25	6-kt	1/2″	11.5	13.8	15.4	13.2
20	84	29	31	6-kt	3/4″	14	14.3	15.9	14.5

Body size-Welded (mm)

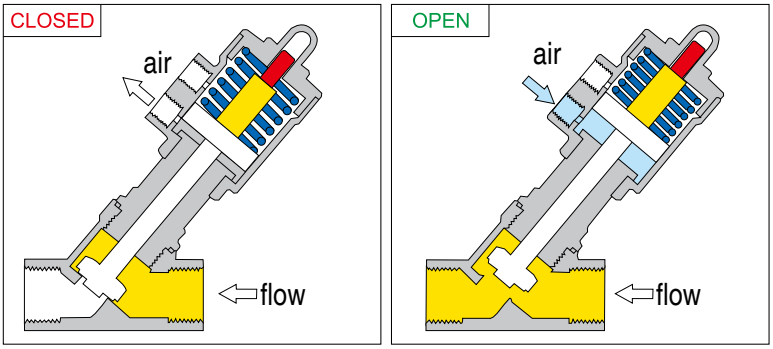
			ISO1127/4200			DIN11850.1			DIN11850.2			DIN11850.3		
DN	L2	LB	l	Φd1	s	l	Φd1	s	l	Φd1	s	l	Φd1	s
10	70	22	2	17.2	1.6	2	12	1	2	13	1.5	2	14	2
15	88	30	2	21.3	1.6	2	18	1	2	19	1.5	2	20	2
20	92	30	2.5	26.9	1.6	2.5	22	1	2.5	23	1.5	2.5	24	2

			SMS 3008			ASME BPE			The technical data is the same with below sizes of any other welded standard
DN	L2	LB	l	Φd1	s	l	Φd1	s	
15	70	22	2.5	12	1	2.5	12.7	1.65	DN10
20	88	30	2	18	1	2	19.05	1.65	DN15
25	92	30	2.5	25	1.2	2.5	25.4	1.65	DN20

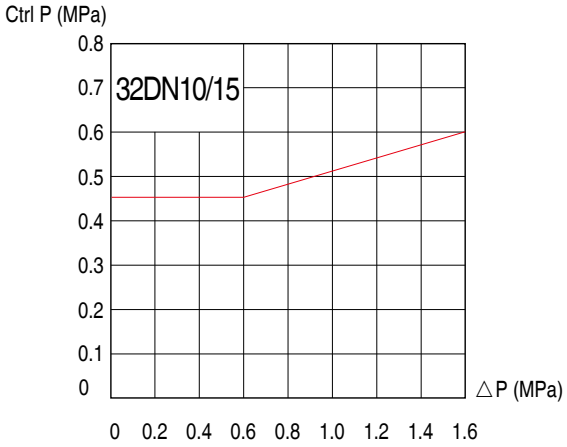
F32-H Spring return normal close (Normal type)

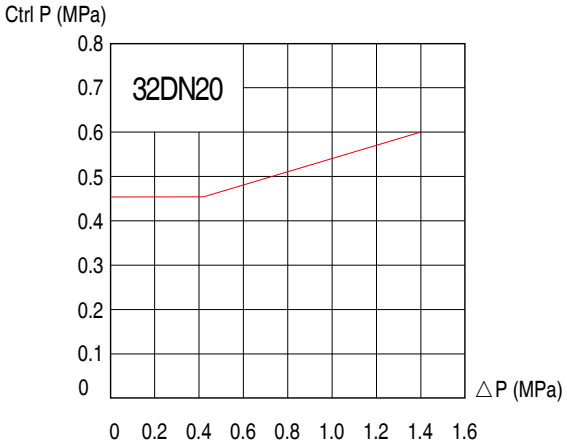


Normal close with flow direction

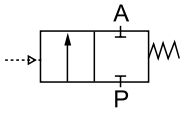


Size	End	Orifice (mm)	Actuator (mm)	Kv (m^3/h)	Max working pressure at 180℃ (Mpa)	Pressure range (Mpa)	Min control pressure (Mpa)
DN10	3/8″	13	32	4.7	1.6	0-1.6	0.45-0.6
DN15	1/2″	13	32	4.7		0-1.6	0.45-0.6
DN20	3/4″	15	32	5.4		0-1.4	0.45-0.6

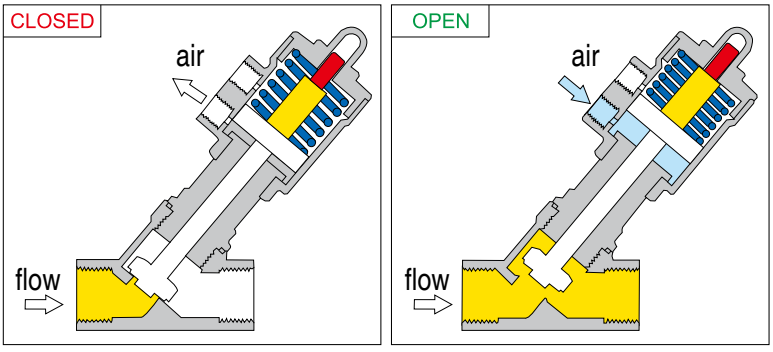




F32-H Spring return normal close (Anti-water hammer)

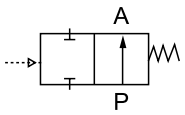


Normal close against flow direction

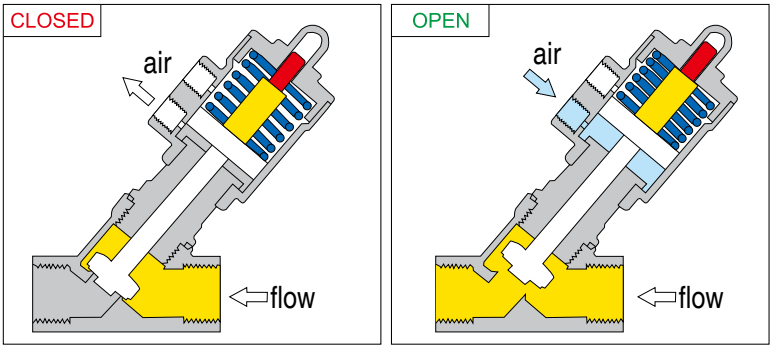


Size	End	Orifice (mm)	Actuator (mm)	Kv (m^3/h)	Max working pressure at 180℃ (Mpa)	Pressure range (Mpa)	Min control pressure (Mpa)
DN10	3/8″	13	32	4.7	1.6	0-0.6	0.5-0.6
DN15	1/2″	13	32	4.7		0-0.6	0.5-0.6
DN20	3/4″	15	32	5.4		0-0.4	0.5-0.6

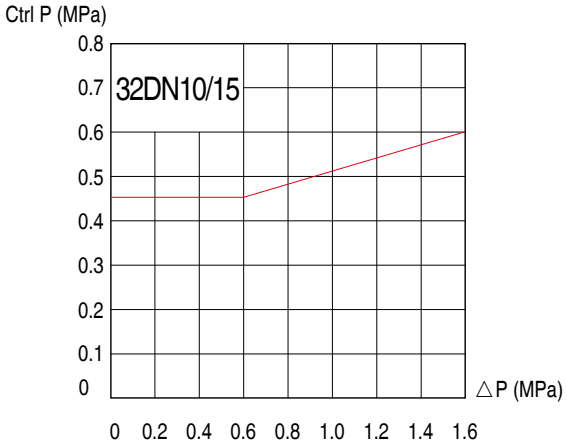
F32-L Spring return normal close (Normal type)

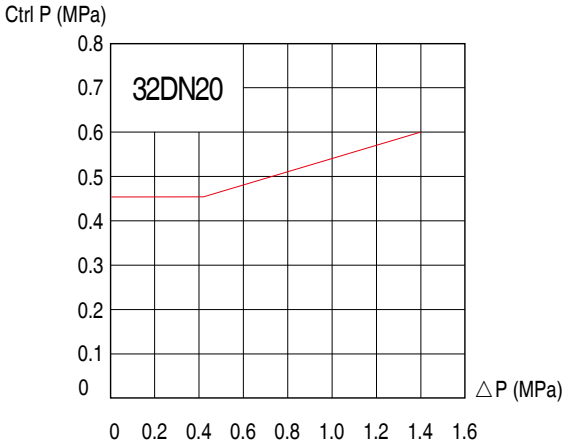


Normal close with flow direction

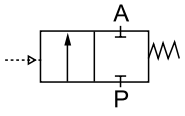


Size	End	Orifice (mm)	Actuator (mm)	Kv (m^3/h)	Max working pressure at 100℃ (Mpa)	Pressure range (Mpa)	Min control pressure (Mpa)
DN10	3/8″	13	32	4.7	1.6	0-1.6	0.45-0.6
DN15	1/2″	13	32	4.7		0-1.6	0.45-0.6
DN20	3/4″	15	32	5.4		0-1.4	0.45-0.6

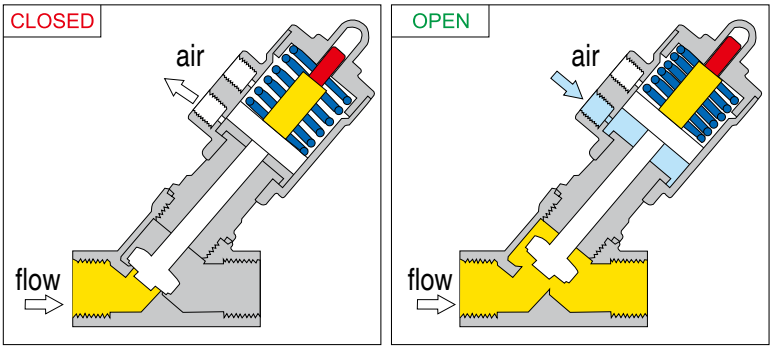




F32-L Spring return normal close (Anti-water hammer)



Normal close against flow direction



Size	End	Orifice (mm)	Actuator (mm)	Kv (m^3/h)	Max working pressure at 100℃ (Mpa)	Pressure range (Mpa)	Min control pressure (Mpa)
DN10	3/8″	13	32	4.7	1.6	0-0.6	0.5-0.6
DN15	1/2″	13	32	4.7		0-0.6	0.5-0.6
DN20	3/4″	15	32	5.4		0-0.4	0.5-0.6