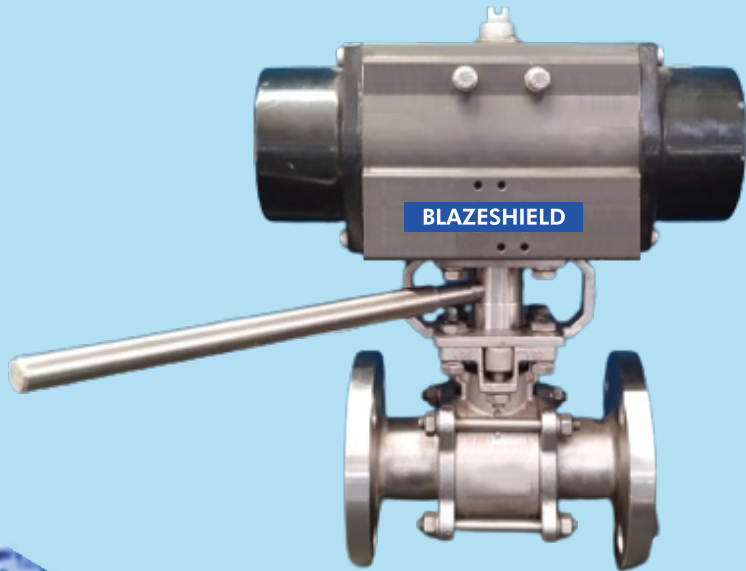


BLAZESHIELD



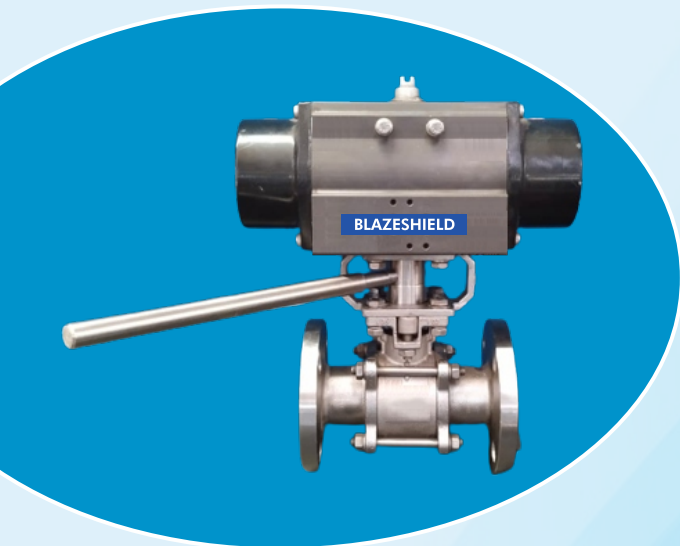
**API 607 FIRE SAFE BALL VALVE WITH
FM & UL LISTED FUSIBLE LINK (MADE IN USA)**

FUSIBLE LINK VALVE

INTRODUCTION:-

Fire hazardous is a very critical and serious hazardous for any area where the inflammable liquid or gas are stored in substantial quantities. In case if fire in most cases the automation system fails to take any corrective action and presence of the flammable material in that area will add to the misery. The fire will furthermore increase to a dangerous level.

Hence it is advisable to take out the inflammable materials out of the area and activate the firefighting system automatically without waiting for any automation system to act.



BLAZESHIELD

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So Why Fusible Link Valve Required?

The strategic placement of Fusible Link valves (FLV) offers several advantages for maximizing a facility's overall fire safety program:

Isolation of Tanks: By installing FLV at the tank level, the valves can isolate individual tanks in the event of a fire or hazardous situation. This prevents the flammable or hazardous media from flowing downstream and potentially exacerbating the fire or creating additional hazards for emergency responders. In cases where the media is toxic, keeping it contained at its source is crucial to protect both responders and the surrounding environment. This isolation also allows emergency responders to assess the situation more effectively, as they know the media is confined to the isolated area. Whenever possible, FLV should be positioned closest to the tank outlet to ensure prompt isolation.

Flow Stoppage in Piping Systems: FLV placed at critical junctures within a piping system serve as an additional line of defense. If the FLV are activated, they can quickly stop the flow of contents within the pipes. This feature becomes especially important in scenarios where pipes rupture, fittings break, or leaks occur at various points in the system. By halting the flow, FLV prevent the pipe contents from spreading freely throughout buildings or reaching other key areas within the system. This containment minimizes the potential for fire escalation, damage, or harm to personnel.

Removal of Human Factor: The utilization of TSVs effectively removes the human factor from the loop in emergency situations. Instead of relying on manual valve closures or initiating a sequence from a control panel, TSVs automatically respond to hazardous conditions. This automation ensures rapid and consistent containment of flammable or toxic media. By eliminating the need for human intervention, the risk of delays, errors, or failures associated with manual actions is significantly reduced.

In summary, the strategic placement of thermal shut-off valves offers enhanced fire safety by isolating tanks, preventing the spread of hazardous media in piping systems, and removing the human factor from emergency response processes.

How BLAZESHIELD works?

The valve is equipped with a fusible link, which is a heat-sensitive component that melts at a specific temperature. When the temperature in the surrounding environment reaches the melting point, the link breaks and triggers the valve to close. This prevents the release of hazardous materials, such as flammable liquids or gases, and helps to protect people and property from potential damage.

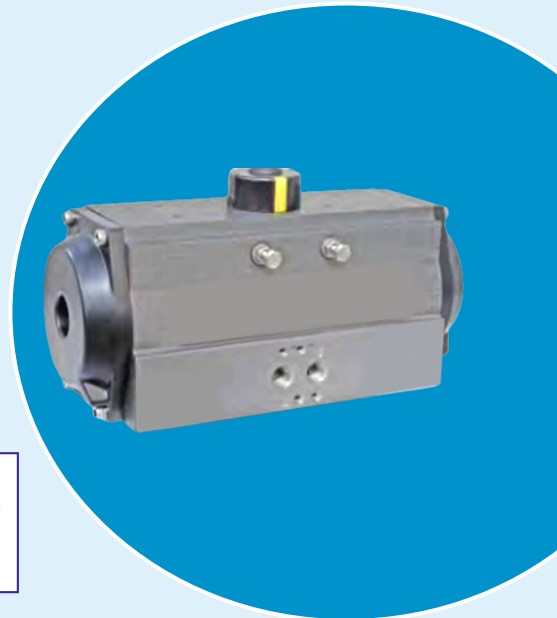
BLAZESHIELD Consist of Three Main Parts API 607 Fire safe Valve, ATEX Approved Actuators & FM & UL Listed Fusible Link when all this is paired together you get Fusible Link Valve

ACTUATORS

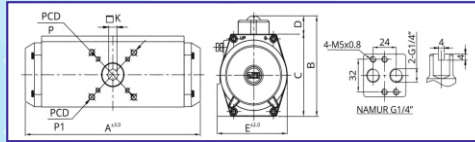
SALIENT FEATURES

TEMPERATURE RANGE:- -20°C to -90°C

Certifications:- CE/ EX ATEX/ SIL 3



DESCRIPTION	MATERIAL
Body	Alluminum Alloy
Piston	Alluminum Alloy
Shaft	EN 8
End Cover	Alluminum Alloy
Adaptor	EN 8
Shaft Washer	S.S
Indicator	Nylon
L.N Bolt for End Cap	S.S
Adjustable Bolt+ Nut+ Washer	S.S
Spring (RH/LH)	Spring Steel
All Seals	Hi- Nitrile



REF NO	PART NO	SUITABLE FOR SIZE	A	B	C	D	E	PCD (P)	PCD (P1)	K	Weight (Approx) Kgs.
A001	22011	25NB	196	113.6	87.8	27.4	76	50	70	9X9, 11X 11, 13 X 13, 14 X14	2.2
A002	22012	40NB,	254.5	135.4	109.4	28.28	83.2	50	70	11X 11, 13 X 13, 14 X14, 17X17	3.75
A003	22013	50NB	335.4	145.4	117	28.26	90.9	-	70	11X 11, 13 X 13, 14 X14, 17X17	6.25
A004	22014	65NB	335.4	166	140	28.3	124.6	70	102	14X14, 17X17, 22X22, 27X27	9.55
A005	22015	80NB	435.1	179	153	28.26	135	102	125	14X14, 17X17, 22X22, 27X27	16.15
A006	22016	100NB	550.6	275.2	232.2	39.81	210.4	150	140	27X27, 36X36.	40.95
A007	22017	125NB	733.4	364.3	328.4	36	-	-	165	46*46	72
A008	22018	150NB	825	393.7	355.7	38	-	-	165	46*46	104

(All Dimensions are in mm)

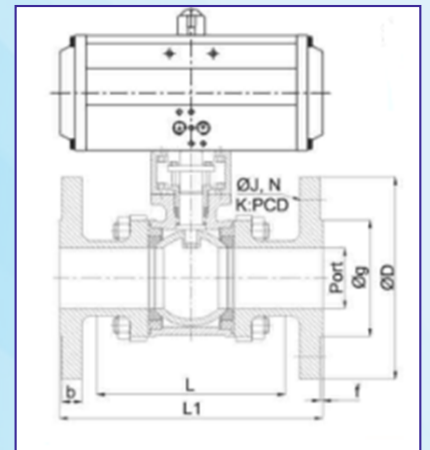
BALL VALVE



Salient Features

Stainless Steel Body
 API 607 Fire Safe Approved
 Flange Standard Conformity :
 ASME 16.5 Class150,300#

DESCRIPTION	MATERIAL
Body	WCB/CF8/CF8M/CF3M
End Connector	WCB/CF8/CF8M/CF3M
Ball	CF8/CF8M/CF3M
Ball Seat	PTFE/CFT/GFT/PEEK/TFM
Steam Pin	ANSI SS304/ SS 316
Gland With Bush	SS304
Body Seat	PTFE/CFT/GFT/PEEK/TFM
Steam Seat	PTFE/CFT/GFT/PEEK/TFM
Nut	MS/SS
Stud	MS/SS
Washer	MS/SS



Ref No	PART No	SIZE	Flanged 150#								Flanged 300#											
			L1	b	f	Port	Øg	ØD	ØJ	N	KPCD	Weight Approx (kgs)	L1	b	f	Port	Øg	ØD	ØJ	N	KPCD	Weight Approx (kgs)
V025	21011	25NB	127	9.6	2	25	50.8	110	15.9	4	79.4	3.8	165	15.9	2	25	50.8	125	19.05	4	88.9	5.4
V040	21012	40NB	165	12.7	2	38	73	125	15.9	4	98.4	5.9	190	19.1	2	38	73	155	22.2	4	114.3	8.4
V050	21013	50NB	178	14.3	2	49	92.1	150	19.05	4	120.7	8.65	216	20.7	2	49	92.1	165	19.05	4	127	11.05
V065	21014	65NB	190	15.9	2	62	104.8	180	19.05	4	139.7	15	241	23.9	2	62	104.8	190	22.2	4	149.2	19.03
V080	21015	80NB	203	17.5	2	74	127	190	19.05	4	152.4	19.35	282	27.0	2	74	127	210	22.2	4	168.3	26.75
V100	21016	100NB	229	22.3	2	100	157.2	230	19.05	4	190.5	32.4	305	30.2	2	100	157.2	255	22.2	4	200	42.6
V125	21017	125NB	254	22.3	2	125	185.7	255	22.2	4	215.9	37	381	33.4	2	125	185.7	280	22.2	4	235	---
V150	21018	150NB	267	23.9	2	150	215.9	280	22.2	4	241.3	45	403	35	2	150	215.9	320	22.2	4	269.9	---

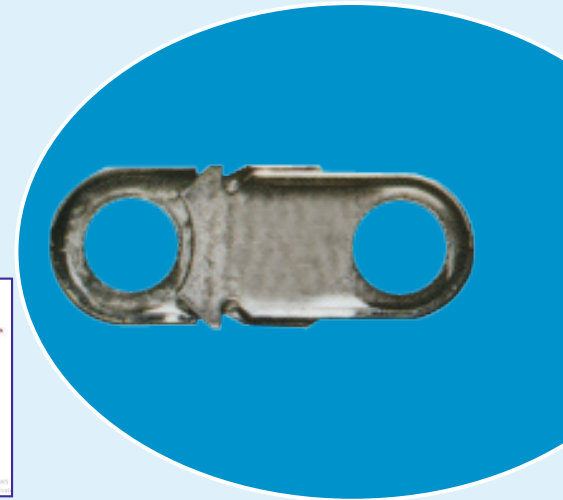
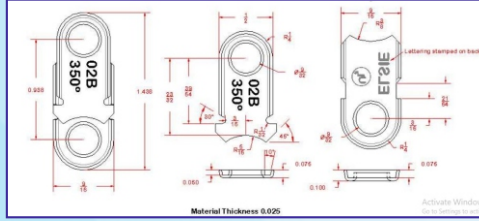
(All Dimensions are in mm)

FUSIBLE LINK TYPES

MAKE : ELSIE (Made in USA)

- FM Approved & UL Listed
- Long / Short Hooks
- Wide Temp Ranges
- Bismuth Alloy
- Maximum Load : 10lbs

REF No	Part No	FUSIBLE LINK RATING	MAXIMUM AMBIENT TEMPERATURE
L135	51011	135°F (57°C)	100°F (38°C)
L165	51012	165°F (74°C)	100°F (38°C)
L212	51013	212°F (100°C)	150°F (66°C)
L286	51014	286°F (141°C)	225°F (107°C)
L350	51015	350°F (177°C)	300°F (149°C)
L370	51016	370°F (188°C)	300°F (149°C)
L386	51017	386°F (197°C)	375°F (199°C)
L536	51018	536°F (280°C)	475°F (246°C)



POSITION INDICATOR

Salient Features:-

- Flameproof
- Enclosure Protection:- IP-67
- Color Coded (OPEN/CLOSE Indicator)



DESCRIPTIONS	SPECIFICATIONS
Enclosure Protection	IP 67
Ambient Temperature	-80
Mounting Bracket	Namur VDI / VDE 3845, ISO 5211
Enclosure	Aluminium Pressure Die Cast
Position Indicator Dom (External of Enclosure)	Polv carbonate (Antistatic)
Position Indicator (External of Enclosure)	ABS (Antistatic)
Shaft (Operating Rod)	S. S. 304
Switch	Honey Well / Cherry / Omron / Turck / P & F
Switch Rating	AC 250V 3A, 125V 5A
Splined Cam	Cast Aluminium Alloy
Allen Head Bolt	M6 X 20 length, Stainless Steel
Terminal Block	STD
O' Ring for Cover,Shaft and Dom	NBR
Circlip	S. S. Spring Steel
Name / Warning Plate	Stainless Steel
Spring Washer	Stainless Steel
Internal and external Earthing	M4 X 8 L Stainless Steel
Cable Entry	M20-6H (optional entry 1/2" NPT)

Ref No	Part No	Switch Type	Make	Model	Contact
MS1	MS-01	Micro Switch	Honeywell	V15	1NO + 1 NC
MS2	MS-02			V15 PCB Type	1NO + 1 NC
MS3	MS-03			V15	2NO + 2NC
PS1	PS-01	Proximity Switch	P&F	NJ2-V3-N	-
PS2	PS-02			NBB3-V3-Z4	-

Fusible Link Valve Selection



Model Selection	XXX	XXX	XXX	XXX
	ACTUATORS	BALL VALVE	FUSIBLE LINK	LIMIT SWITCH
	A001	V025	L135	MS1

A001-V025-L135-MS1 Model number - for 25nb Fusible Link Valve with 135°F fusible link rating and Mechanical Switch
 Note:- We do provide Fusible Link Valve without Limit Switch in this case Reference no to be Changed to 000 For Example
 A001-V025-L135-000 Model number for 25nb Fusible Link valve with 135°F fusible link rating and Without Switch.

Application:-

1. Bulk Tanks at Loading and Unloading
2. Day Tanks
3. Fire Suppression System
4. Refineries
5. Laboratories and Industrial Equipments
6. Petrochemical Plants
7. Biodiesel Plants

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