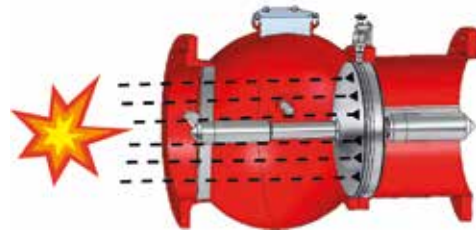
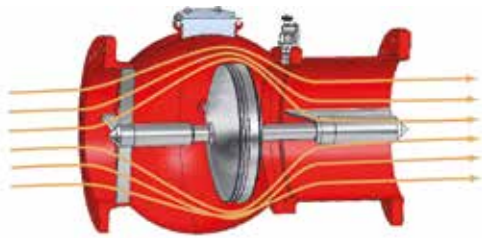




## Easy handling – reliable Isolation



### Working principle

Under normal operating conditions the medium flows through the valve with low turbulence, saving energy. The adjusted internal closure element is held in central position by a unique patented balland spring system. This ensures the safe operation even at higher flow velocities, and if installed before or after pipe bends!

In the event of an explosion the valve closes automatically with the kinetic energy of the pressure wave preceding the flame front. The closing element is pressed axially against the pipe body of the valve and flame propagation proof arrested by a locking-device. The closed state of the valve can be indicated by electrical signal transmitters.

### Materials

- Aluminium
- Steel 1.0425 painted red
- Stainless steel 1.4301 or 1.4571

### Options

- electrical and mechanical position indicator
- additional stainless steel versions
- customized surface finishing
- increased product temperature
- gas-tight design

### Available for special requirements:

The double-acting ATEX Floatvalve Explosion protection valves. In this version, the product can flow alongside the inner closing body in both directions. In the event of an explosion, the valve closes reliably in the direction of the explosion due to its special design.

## Reliable Explosion Protection Safety for your Installations

### Permitted flow velocity

- up to 34 m/s
- easy on-site conversation, can be performed by the plant operator

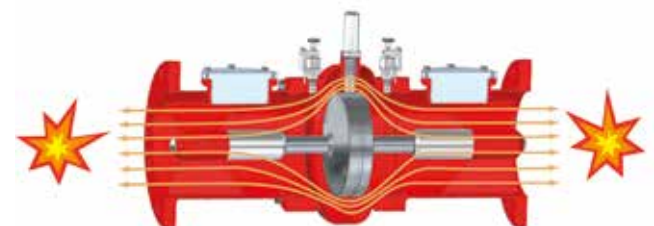
### Installation position and explosion direction

Easy on-site conversation, can be performed by the plant operator

### Product temperature

Independent of product temperature by guarantee flame arresting without internal seals!

Technical changes reserved, E&OE

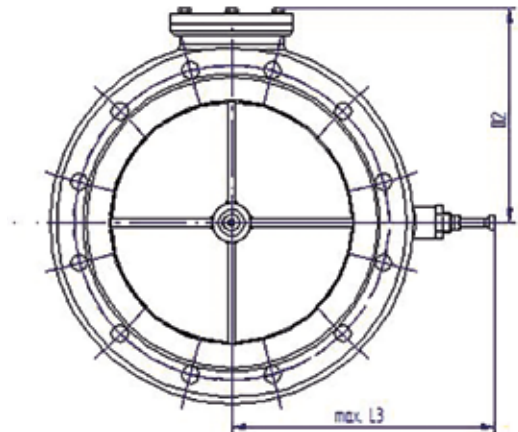
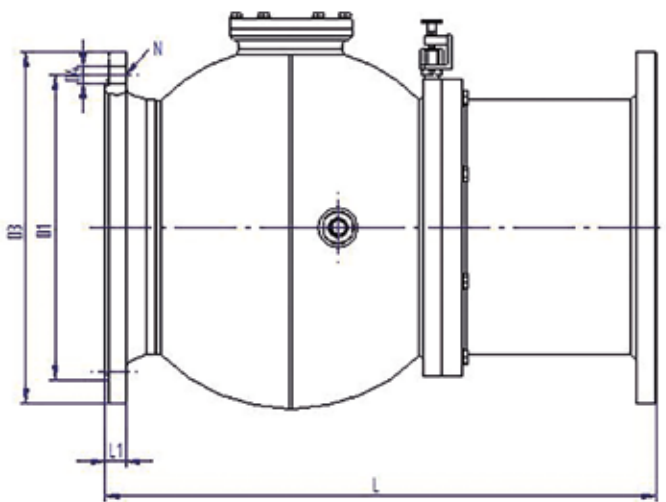




## Dimensions & Weights: ATEX FloatValve single and double acting

Nominal diameter	Reference	Unit	DN100	DN150	DN200	DN250	DN300	DN400	DN500	DN600
Outer flange diameter Ø DIN2576-PN10	D3	mm	220	285	340	395	445	565	640	780
Standard length s-a (single-acting)	L	mm	350	460	515	700	700	875	1150	1250
Alternative length (Ventex compatible)	L	mm	350	500	610	-	780	940	1300	1420
Weight s-a	AL/ST	kg	14	16	55	73	83	165	262	360
	VA	kg	23	37	56	74	87	170	264	365
Standard length d-a (double-acting)	L	mm	430	600	760	840	850	1140	1370	1500
Weight d-a	AL/St	kg	33	50	75	98	125	299	326	395
	VA	kg	56	88	84	108	135	262	340	410

Flange connection according to DIN EN 1032-1-PN10



### Features

- Dust loads permissible
- High temperature resistance
- No wearing parts
- Directly acting
- Product deposits permissible
- Triggering pressure adjustable
- Short installation length

### Project planning information

- Housing materials: Painted steel, stainless steel, DN100 und DN150 additionally aluminium
- Valve prepared for assembly of an initiator M12x1 for signalling CLOSED valve position
- available with flanges acc. to DIN or ANSI
- Maximum flow velocity in installed condition adjustable
- Installation position (horizontal/vertical) optional

## Installation ATEX FloatValve

		Unit	Size							
Diameter		DN Inch	100 4"	150 6"	200 8"	250 10"	300 12"	400 16"	500 20"	600 24"
Min. explosion pressure		mbar	50							
Max. explosion pressure (20°C)		bar (abs)	12							
Air velocity against explosion direction		m/s	35							
Air velocity in explosion direction		m/s	0 - 34							
flow velocity		m/s	34	34	24 29 34	24 29 34	24 29 34	24 29 34	24 29 34	24 29 34
Organic dusts	Min. distance	m	2	2	3	3	3	3	3	4
	Max. distance	m	12	12	12	12	12	12	12	8
Gases and steam gas group IIB	Min. distance	m	2	2	3	3	3	3	3	-
	Max. distance	m	8	8	8	8	8	8	8	-
Hybride mixtures IIA ≤ 120% UEG	Min. distance	m	3	3	3 - -	3 - -	3 5 -	4 - -	4 - -	- - -
	Max. distance	m	6	6	6 - -	6 - -	8 6 -	6 - -	8 - -	- - -
Hybride mixtures IIA + IIB ≤ 80% UEG	Min. distance	m	3	3	3 - -	3 - -	3 5 -	4 - -	4 - -	- - -
	Max. distance	m	6	6	6 - -	6 - -	8 6 -	6 - -	8 - -	- - -
Hybride mixtures IIA + IIB ≤ 120% UEG	Min. distance	m	-	-	-	-	5 5 -	-	-	-
	Max. distance	m	-	-	-	-	6 6 -	-	-	-

### Germany

#### ATEX Explosionsschutz GmbH

Auf der Alm 1  
59519 Möhnesee  
Deutschland

Tel: +49 2924 8790 0  
Fax: +49 2924 8790 455

info@atex100.com  
www.atex100.com

#### ATEX Explosionsschutz GmbH

Niederlassung Südwest  
Akazienweg 8  
64665 Alsbach-Hähnlein  
Deutschland

Tel. +49 6257 697 53  
Fax +49 6257 697 57

info@atex100.com  
www.atex100.com

### United Kingdom

#### ATEX Explosion Hazards Limited UK

Unit 7 Cranford Court  
Hardwick Grange, Woolston  
Warrington, Cheshire, WA1 4RX

Tel: +44 1925 755153

info@explosionhazards.co.uk  
www.explosionhazards.co.uk

### USA

#### ATEX-Explosion Protection, LP

Suite 130  
2629 Waverly Barn Road  
Davenport, FL 33897  
USA

Tel. +1 863 424 3000  
Fax +1 863 424 9797  
sales@atexus.com  
www.atexus.com

### New Zealand

#### Atex Fire and Explosion Protection Ltd. Main Office

630D Great South Rd  
Ellerslie 1051  
PO Box 58724, Botany 2163  
Auckland/New Zealand

Tel: +64 9 215 8885  
Fax: +64 9 274 3823

info@atexnz.com  
www.atexnz.com

### Service Australia

#### Atex Fire and Explosion Protection Services Pty Ltd.

2/85 Triholm Avenue  
Laverton VIC3028  
PO Box 7206, Point Cook VIC3030  
Australia

info@atexau.com  
www.atexau.com

### Spain

#### ATEX Iberica

C/ Tirso de Molina nº 36  
08940 Cornellá de Llobregat  
Barcelona  
Spain

Tel: +34 674723209

info@atexiberica.com  
www.atexiberica.com

### Japan

#### ATEX Fire and Explosion Protection, Ltd.

TOC Ariake West Tower 7F  
3-5-7 Ariake  
Koto-ku, Tokyo,  
135-0063 Japan

Tel +81 3 6457 1311  
Fax +81 3 6457 1341  
t.suzuki@atexjapan.com  
www.atexjapan.com

