## Check Valves



Check valves are used in high pressure lines to control one-way flow and prevent fluid from flowing back in pipeline, while protecting the pipe line and equipment safety.

· Aifuel offers check valves with two flow directions: standard flow direction with the union in front and reverse flow direction with the thread in front;

· The core component of check valve is forged by stainless steel with advanced erosion and abrasion resistant characteristics;

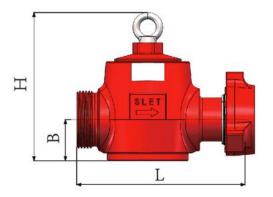
 $\cdot$  The seal has its own intellectual preperty, with excellent performance;

· Three styles are provided: top-entry check valves, in-line flapper check valves and dart check valves.

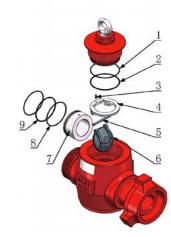
• **Suggestions:** For complete shutoff, a shutoff valve (plug valve) should be connected in series with the check valve. The top-entry type and in-line flapper type check valves should be installed horizontally and smoothly.

#### Features

Nominal Size:  $2" \sim 3"$ **Temperature Rating:** -29~121°C (PU) Service: Standard Manufacturing standard: API 6A



Nominal	End Connections		Flow	Rated Working	Dime	ensions	s(mm)	Corrigo
Size	End Conne	CUOIIS	Direction	Pressure Mpa/Psi	L	В	Н	Service
2"	FIG1502	FXM	Standard	105/15000	140	277	277	Standard
3"	FIG1502	FXM	Standard	105/15000	202	369	416	Standard
3"	FIG2002	FXM	Standard	140/20000	258	516	540	Standard



Nominal Size	Rated Working Pressure Mpa/Psi	Backup -Ring I	O-Ring I	Pin	Frame	Pivot Pin	Flapper	Seat	Backup- Rings II	O-Ring II
2"	105/15000	1	1	1	1	1	1	1	2	1
3"	105/15000	1	1	1	1	1	1	1	2	1

### Top-entry Check Valves



- · On-line maintenance is provided with great efficiency;
- The valve body has a clear mark indicating the flow direction;
- · It is usually used for liquids with solid particulate matter.

#### Top-entry Check Valves Repair Kit

1-	Backup-Ring I	7-Seat
2-	O-Ring I	8-Backup-Rings II
3-	Pin	9-O-Ring II
4-	Frame	
5-	Pivot Pin	

6-Flapper

## In-line Flapper Check Valves

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- $\cdot$  Solid structure and good sealing quality;
- $\cdot$  The valve body has a clear mark indicating the flow direction;
- $\cdot$  It is usually used for fluids or mixtures of fluids and solid particles.

Nominal	_ 1.2				Dime	ensions	(mm)	
Size	End Connec	tions	Direction	Pressure Mpa/Psi	L	В	Η	Service
2"	FIG1502	FXM	Standard	105/15000	358	112	201	Standard
3"	FIG1502	FXM	Standard	105/15000	399	116	219	Standard
3"	FIG2002	FXM	Standard	140/20000	579	192	357	Standard

Dart	Che

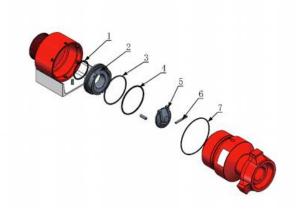
Nominal

Size

2"

3"

## In-line Flapper Check Valves Repair Kit

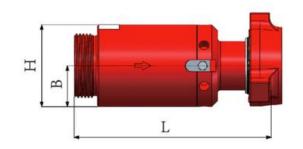


1-O-Ring I
2-Seat
3-Backup-Ring II
4-O-Ring II
5-Flapper
6-Pivot Pin
7-O-Ring III

Nominal Size	Rated Working Pressure Mpa/Psi	O-Ring I	Seat	Backup- Ring II	O-Ring II	Flapper	Pivot Pin	O-Ring III
2"	105/15000	1	1	1	1	1	1	1
3"	105/15000	1	1	1	1	1	1	1
3"	140/20000	1	1	-	-	1	1	1



Nominal Size	Rated Working Pressure Mpa/Psi	Dart	O-Ring I	Seal I	Sealing Plate	Spring	Lock Nut	Seal II	O-Ring II
2"	105/15000	1	1	1	1	1	1	1	2
3"	105/15000	1	1	1	1	1	1	1	2



## Dart Check Valves



Function normally without horizontal installation;
It is self-locking and is usually used for gases (nitrogen injection) or fluids without solid particles.

End Connections Flow Direction		Flow	Rated Working	Dime	ensions	Service	
		Direction	Pressure Mpa/Psi	L	В	Н	
FIG1502	FXM	Standard	105/15000	318	89	177	Standard
FIG1502	FXM	Standard	105/15000	399	94	188	Standard

### eck Valves Repair Kit

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1-Dart

2-O-Ring I

3-Seal I

4-Sealing Plate

5-Spring

6-Lock Nut

7-Seal II

#### 8-O-Ring II