



## CONSTRUCTION

<b>Body</b>	Carbon Steel		Stainless Steel	
<b>Seat</b>	R-PTFE + Inconel (DN 50 to 125) – R-PTFE + Stainless Steel 1.4843 (DN150 to 300)			
<b>Disc</b>	SS A351 CF8M (DN50 to 125) – SS X21Cr13 (DN150 to 300)		Stainless Steel A351 CF8M	
<b>Packing</b>	Graphite		Graphite	
<b>Body type</b>	Wafer	Lug	Wafer	Lug
<b>Operation type</b>	Aluminium hand lever, manual gear box, pneumatic and electric actuator			

### Design

- Designed in accordance with standard EN 593
- Face to face in accordance with standard EN 558+A1 base 20
- Flange faces machining in accordance with standard EN 1092-1

### Seal

- In accordance with standard EN 12266-1 Rate A

### Approval

- PED 2014/68/UE
- Fire safe BS6755 part 2



### Main options

- ATEX construction
- Stem and pivot 1.4462 (U45N)
- RF or FF, male, female, tongue, groove flanges machining
- Emissions fugitives ISO 15848-1 class A
- Assembly without grease or with special oxygen grease
- Relief valve on the disc
- PTFE packing
- Order conformity certificate / material certificate / pressure test report in accordance EN10204 types 2.1, 2.2, 3.1 et 3.2



Wafer



Lug



## CHARACTERISTICS

Components	Material	Description	Benefit
<b>Body</b>	A216 WCB	<b>Excellent mechanical strength</b> and <b>corrosion resistant primary coating.</b>	<b>Increased safety for personnel and equipment</b>
	A351 CF8M	<b>Excellent corrosion resistance</b> and <b>low temperature resistance.</b> This stainless steel grade permits <b>food industry applications.</b>	
<b>Seat</b>	R-PTFE + Inconel 718 R-PTFE + SS 1.4843	These materials offer <b>excellent corrosion resistance</b> and at <b>high temperatures.</b> They also allow to meet <b>fire safe standard</b> requirements.	<b>Durable performance</b> <b>Fire safe</b>
<b>Disc</b>	A351 CF8M X21Cr13	These stainless steel grades have <b>strong resistance to corrosion</b> and <b>extreme temperatures.</b> <b>CF8M</b> is suited to <b>food applications.</b>	<b>Large application range</b>
<b>Stem and Pivot</b>	1.4021 / 1.4028 (Stainless Steel 13% Cr) 1.4542 (17-4-PH)	Stems and pivots benefit from the <b>excellent mechanical and corrosion resistance</b> of these grades of stainless steels.	<b>Lasting integrity of the shaft line</b>
<b>Packing</b>	GRAPHITE	This mineral material ensures <b>perfect tightness.</b>	<b>Durable tightness</b>
<b>Bearings</b>	THERMOPLASTIC COMPOSITE	<b>Corrosion resistance</b> and <b>high operating cycles with zero maintenance.</b>	<b>Torque stability</b>



**Energy savings**

**43%**

Average increase Kv coefficient compared to one-piece shaft design.