

OMNI-TECH

INDUSTRIAL PROCESSES

Combining the triple offset design with a compact face to face, OMNI-TECH provides an optimal technical solution to the most demanding working conditions by combining weight and space saving .

TECHNOLOGY

Triple Offset



- ✓ Plate **standardised** in accordance with EN-ISO 5211
- ✓ **Adjustable** stuffing box
- ✓ **Graphite** packing
- ✓ **Treaded bearings**, without any maintenance
- ✓ **Replacable seat** for an easy maintenance
- ✓ **Mechanical stop closure** for seat protection



Profiled disc for an **increased flow rate coefficient (*)**



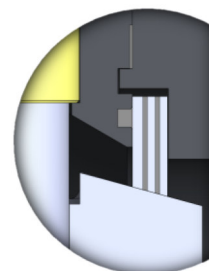
100% product testing to **guarantee performance**



A **premium service** through customer liaison and technical assistance

(*) Depending on operating conditions, **important annual energy savings**

Lamellar seat



PERFORMANCES



The maximum pressures and temperatures depend on the pressure/temperature relationship and type of fluid.

CONSTRUCTION

Body	Carbon Steel		Stainless Steel	
Seat	Solid stainless steel	Lamellar	Solid stainless steel	Lamellar
Disc	Carbon Steel	Stainless Steel	Stainless Steel	
Packing	Graphite		Graphite	
Body type	Wafer	Lug	Wafer	Lug
Operation type	Manual gear box, pneumatic and electric actuators			

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 & C / API 598 metal seat unidirectional

Approval

- PED 2014/68/UE



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
Body	P265 GH A216 WCB	Excellent mechanical strength and corrosion resistant primary coating.	Increased safety for personnel and equipment
	A351 CF8M	Excellent corrosion resistance and low temperature resistance. This stainless steel grade permits food industry applications.	
Seat	316 / Graphite	These materials offer excellent corrosion resistance and at high temperatures + prefect tightness	Durable performance
Disc	A351 CF8M X21Cr13	These stainless steel grades have strong resistance to corrosion and extreme temperatures. CF8M is suited to food applications.	Large application range
Stem and Pivot	1.4021 / 1.4028 (Stainless Steel 13% Cr) 1.4542 (17-4-PH)	Stems and pivots benefit from the excellent mechanical and corrosion resistance of these grades of stainless steels.	Lasting integrity of the shaft line
Packing	GRAPHITE	This mineral material ensures perfect tightness.	Durable tightness
Bearings	1.4404 Stanal coated	Corrosion resistance and high operating cycles with zero maintenance.	Torque stability



43% Average increase Kv coefficient
Compared to one-piece shaft design.