INTER-TECH

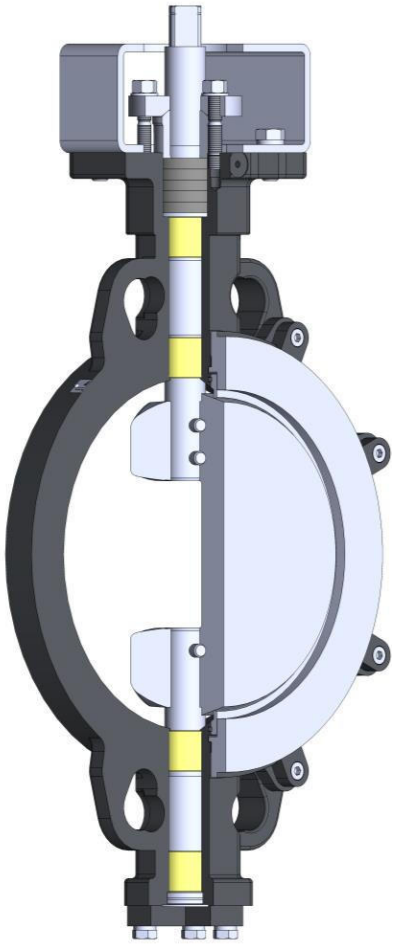
GENERAL CIRCUITS

INTER-TECH valve is equipped with metal to metal sealing, for severe applications where a plastomer seat is not viable.

TECHNOLOGY

Triple Offset
Double Offset (DN ≤ 125)

METAL
COMPACT HP VALVE
25 bar



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

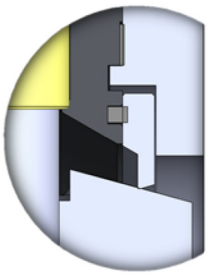
100% product testing to
to **guarantee performance**

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

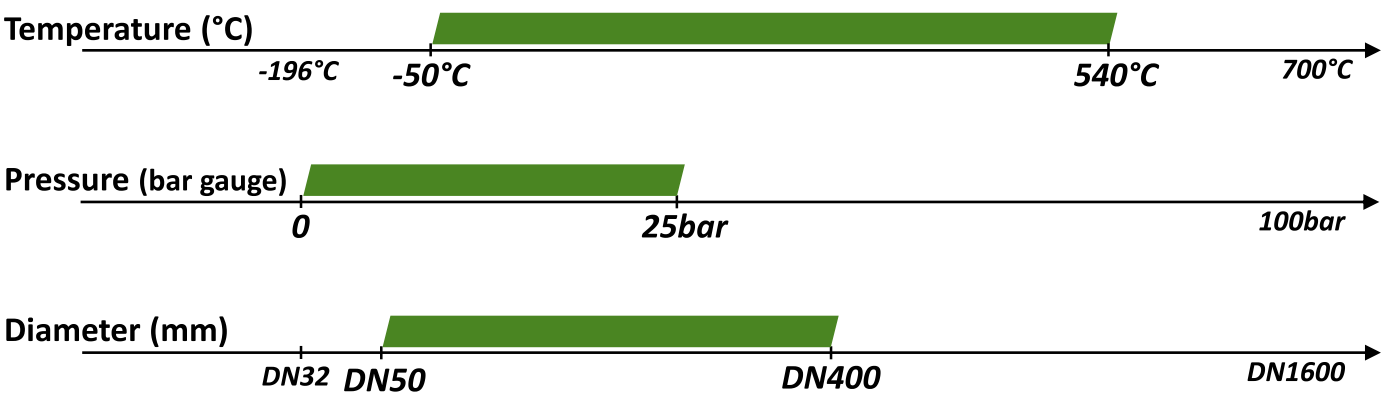
(*) Depending on operating conditions, ***important annual energy savings***

- ✓ 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**

Solid metal seat



PERFORMANCES



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

CONSTRUCTION

Body	Carbon steel		Stainless Steel	
Seat	Inconel (DN50 to 125) – Stainless Steel 1.4843 (DN150 to 400)		Inconel (DN50 to 125) – Stainless Steel 1.4843 (DN150 to 400)	
Disc	SS A351 CF8M (DN50 to 125) – SS X21Cr13 (DN150 to 400)		Stainless Steel A351 CF8M	
Packing	Graphite		Graphite	
Body type	Wafer	Lug	Wafer	Lug
Operation type	Aluminium hand lever, 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 C / API 598 metal seat unidirectional

Approval

- PED 2014/68/UE

Main options

- ATEX Construction
- CF8M disc for carbon steel version DN150 to 400
- 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

Aluminium hand lever operation

Electric actuator

Manual gear box operation

Pneumatic actuator

CHARACTERISTICS

Components	Material	Description	Benefit
Body	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	Inconel 718 Inox 1.4843	These materials offer **excellent resistance** to **high temperatures** and to **abrasion**.	**Durable performance** **Abrasion resistance**
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**

Energy savings **43%** Average increase Kv coefficient compared to one-piece shaft design.