



Petrochemicals



Plastics and Polymers



General Chemicals



Fine Chemicals



Nuclear and Navy



Cryogenic Service



Other Applications

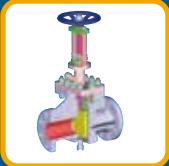
medium: liquids with solid particles gas cracked gas  
gas with solid particles

Double disc  
through conduit valve  
With substitution ring  
Metal-to-Metal seating  
Type 209-TLV

# Double disc through conduit valve

## With substitution ring Metal-to-Metal seating / type 209-TLV

Slide valve



Gate valve



Ball & plug valve



Butterfly valve



Globe valve



Safety Relief



Rinsing Injection



Tank bottom valve



Control



Multisway



Sampling valve



Piston valve



Check valve



Accessories



Actuator



### Features

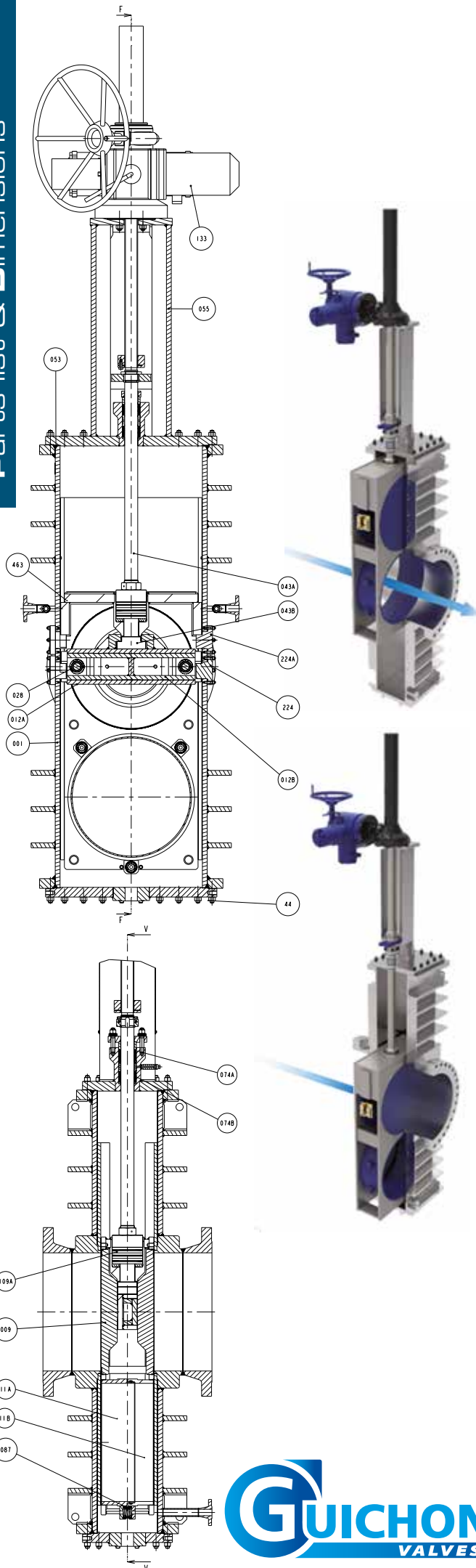
- Fabricated (welded) or cast design
- Through conduit design in open position
- Seating surfaces protected by a substitution ring in opened position
- Hardfaced seats and discs
- Double block and bleed design
- Steam injection nozzles
- Wedges integrated to the body

designed & made in France

### Competitive advantages

- In closed position, the discs are propped against the seats by the wedges; they are free during the stroke  
⇒ *no risk of jamming*
- Low friction design  
⇒ *low torque*
- Body rigidity  
⇒ *avoid deformations due to the piping loads*
- Integrated seats  
⇒ *no internal leakage path*
- Increased life time of tightness parts  
⇒ *low maintenance*  
Metal-to-metal seating  
⇒ *compatible with high operating temperature*
- All internals can be removed without dismantling the valve from the line  
⇒ *easier maintenance*
- Optimized steam injection (preferred steam path)  
⇒ *prevents coke deposit on functional surfaces*





Part n°	Part name	Qty	Material
001	BODY	1	CARBON STEEL
009	DISC	2	CARBON STEEL
011A	MALE SUBSTITUTION RING	1	CARBON STEEL
011B	FEMALE SUBSTITUTION RING	1	CARBON STEEL
12A	FEMALE CROSS PIECE	1	CARBON STEEL
12B	MALE CROSS PIECE	1	CARBON STEEL
02B	RESSORT TRAVERSE	2	INCONEL X750
043A	STEM HOLDER	1	13%CR
044	REMOVABLE BOTTOM	1	CARBON STEEL
053	BODY GASKET	2	SS/GRAPHITE
055	BONNET	1	CARBON STEEL
074A	PACKING	4	GRAPHITE
074B	PACKING	6	GRAPHITE
087	RING SPRING	3	INCONEL X750
109A	SPRING WASHER	1	Z38 Cr Mo V5
133	ELECTRIC ACTUATOR	1	
224	THRUST RING	2	CARBON STEEL
224A	DISC COLLAR THRUST	2	CARBON STEEL
463	SLIDING RING	1	CARBON STEEL

Fabrication range (on request)

Size 6 in. (DN150) to 56 in. (DN 1400)

PN 10 to PN100 (Class150 to 600)\*

\*according to size

### Main applications

Ethane cracking – Ethylene processes

Steam Cracking (transfer & decoke line)

Thermal cracking

Delayed Coking (isolation and coke drum unheading)

FCC units - Vapour overhead isolation

### OPTIONS

- Other materials (Stainless Steel, special alloys...)
- Other pressure classes
- Additional nozzles for purging, draining, cleaning (with steam or other medium)
- Fire safe design
- Gland leak detector
- Metal/Metal "Back Seat System" (enables the replacement of the gland packing without removing the valve from the pipeline)
- Pneumatic or hydraulic actuator
- Emergency overdrive on pneumatic actuator
- Manual operator mounted on ISO base for retrofitted motor operation
- Dry air operated pneumatic actuator
- Pneumatic actuator locking in closed or open position
- Emergency hand wheel locking
- 3 Parts Body
- Custom-made jacket (heating or cooling option)
- Anti-Sticking system on pneumatic actuator (in order to prevent any actuation issues)
- Special painting (according to your specifications)



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