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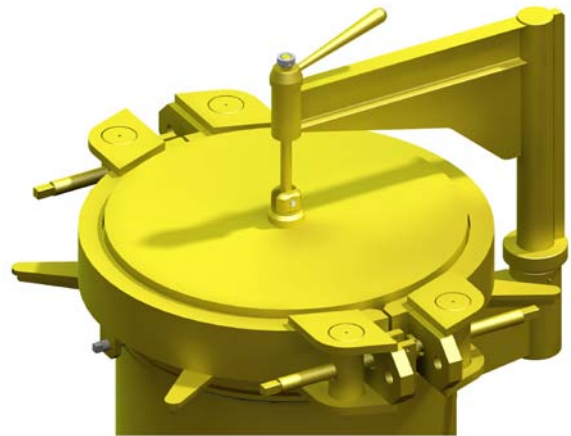
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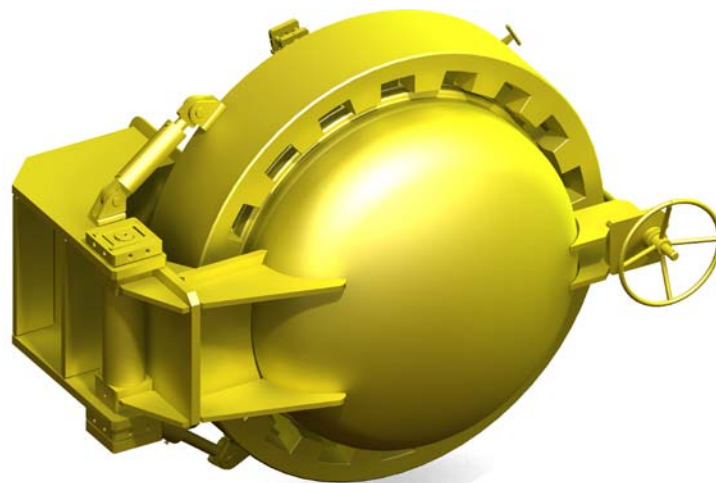
Quick opening closures



RC1



RC2



RC3

Introduction

Quick opening closures of RC1, RC2, RC3 type are mechanical assemblies provided for the following equipment:

- pressure vessels in gas industry (separators, filters, filter-separators);
- autoclaves;
- chemical reactors;
- storage tanks;
- pig launcher and receiver devices in petrochemical industry.

Quick opening closures are designed to provide rapid and safe access and to ensure perfect tightness.

Design codes

ASME VIII Division 1

ASME VIII Division 1, "U" stamp

Pressure Equipment Directive 97/23/EC (PED), EN 13445:2003

Materials

ASTM A350 LF2

ASME II SA350 LF2

ASTM A105 / ASME II SA105

ASTM A 694 Gr. F65

A304L or A316L stainless steel

SR EN 10028-3 P355NH

SR EN 10028-3 P275NH

SR EN 10028-3 P355NL1

O-ring materials

Nitrile, Viton and explosive decompression resistant elastomers

*Upon request, other materials can also be provided.

Connection

Weld ends

Operating conditions

Ambient temperature: $-20 \div 80$ (optionally, $-30 \div 80$) °C

Working fluid temperature: $-10 \div 60$ (optionally, $-20 \div 60$) °C

Optional equipment

- pressure gauge
- pneumatic actuator
- manual or electric hydraulic actuator
- additional safety elements

Quick opening closure RC1 type

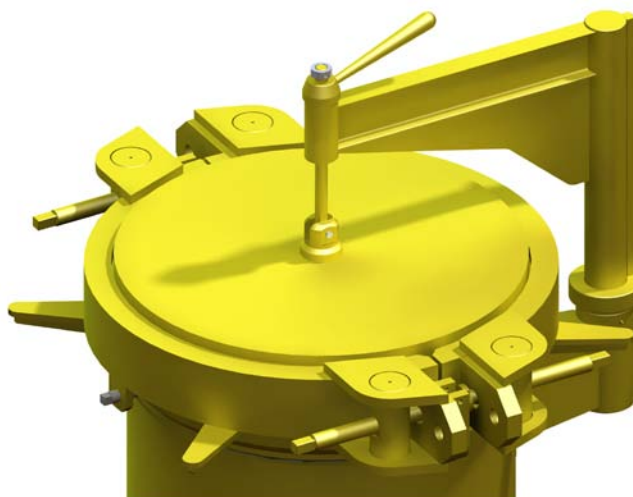


RC1 quick opening closure is fitted with a key interlock and with a safety device that prevents door opening under pressure.

Constructive features

Model	Closure type	Nominal diameter	Nominal pressure
RC1	Horizontal Vertical	100	6/16/25/40/50/64/80/ 100/150
		150	
		200	
		250	
		300	
		350	
		400	
		450	
		500	
		550	
		600	
		700	
		750	
		800	
900			

Quick opening closure RC2 type



RC2 quick opening closure is fitted with a right- and left-handed thread screw and with a safety device that prevents door opening under pressure.

For horizontal vessels, RC2 quick opening closure is double pivoted on hinges, which allows right or left swinging.

For vertical vessels, RC2 quick opening closure is provided with a davit which enables the closure to be lifted.

Constructive features

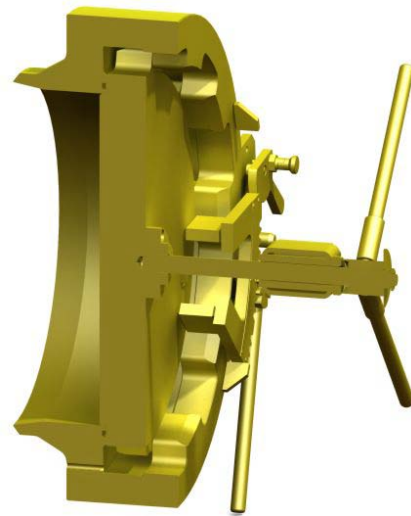
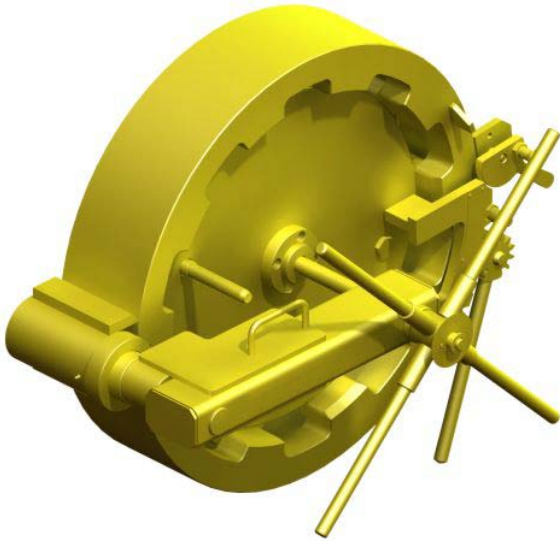
Model	Closure type	Nominal diameter	Nominal pressure
RC2	Horizontal Vertical	100	6/16/25/40/50/64 80/100/150/210/250 350/400
		150	
		200	
		250	
		300	
		350	
		400	
		450	
		500	
		550	
		600	
		700	
		750	
		800	
		900	
		1000	
		1050	
		1200	
		1300	
1400			
1500			
1600			

Quick opening closure RC3 type

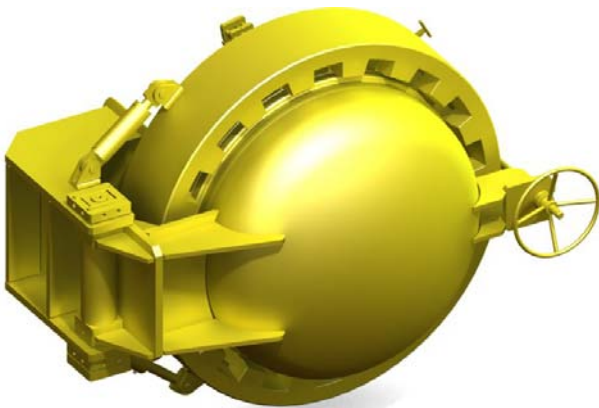
RC3 quick opening closure is fitted with clamping teeth and a safety device that prevents door opening under pressure.

Constructive variants:

- 2 bodies



- 3 bodies



Constructive features

Model	Closure type	Nominal diameter	Nominal pressure
RC3	Horizontal	100	6/16/25/40/50/64 80/100/150/210/250 350/400
		150	
		200	
		250	
		300	
		350	
		400	
		450	
		500	
		550	
	Vertical	600	
		700	
		750	
		800	
		900	
		1000	
		1050	
		1200	
		1300	
		1400	
1500			
1600			

The manufacturer reserves the right to make modifications without any prior notification.

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Certified management system