

RETRACTABLE SAFE VALVE

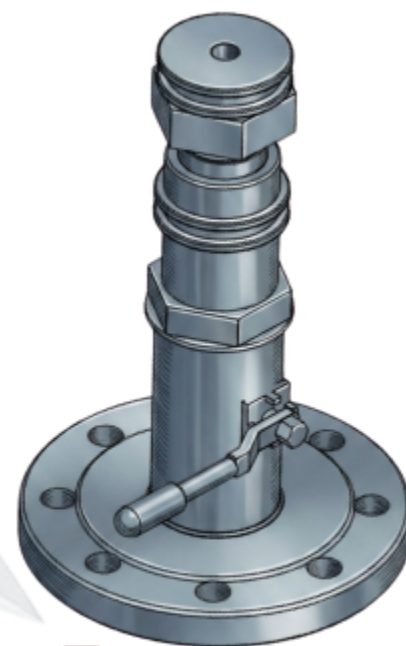
pH & Conductivity Sensor Mounting and Service Valve

Application

Retractable Safe Valve is a ball valve mounting and service accessory for pH and conductivity sensor that provides many advantages over standard ball or knife gate valve insertion type devices. It offers greatly improved safety by sensor tools RSV during insertion or removal without interrupting the process. The probe sensor can be into the process as deep as 10 mm and have more accurate measurement results

Unaffected by high pressure or process medium, Safe Valve allows the sensor to be calibrated in place in addition to being safely inspected, cleaned or serviced without the need to empty the pipe or tank. In corrosive or toxic chemical applications, the process medium can be drained from the valve and if required the sensor can also be flushed before calibration or removal

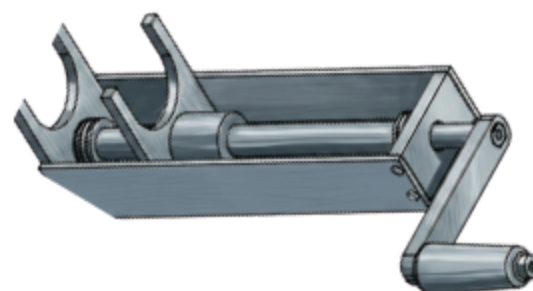
Easy to install, the valve can be mounted using a single flange, thread, or welded to the process pipe, vessel or tank. Uniquely shaped PTFE gaskets clean the ball surface and resist grinding effects of solid particles. All seals and gaskets are field replaceable. The locking handle to protect safety operation.



Safe Valve, Flange type

Your benefits

- **Safe operation:** No process leakage and sensor removal made is easier with Sensor tools A350i
- **High plant availability:** Inspect, clean or replace sensors without process interruption
- **High process reliability:** With a wide range of application customized pH and conductivity sensors
- **Cost effective:** Complete measuring point solution from a single source
- **Pneumatically operated version:** For remote and automatic operation



Sensor Tools

Technical Specifications

Sensor Connection

Specific sensor adapter according to product structure order code

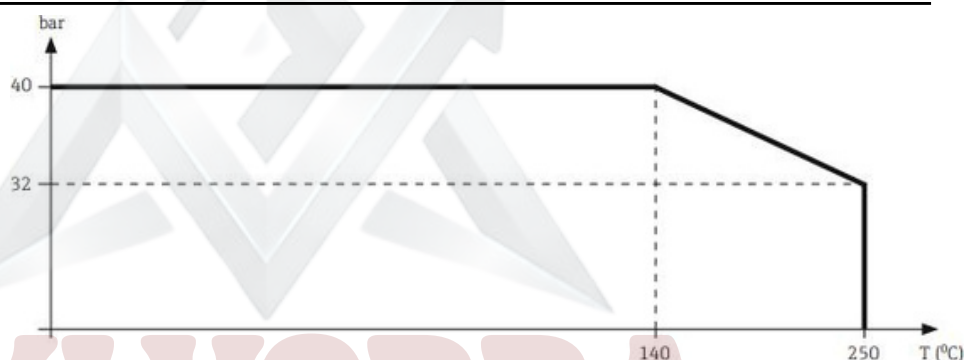
Process Temperature

-50 to 250°C

Process Pressure

0 – 40 bar

Pressure / Temperature
Diagram



CYLVORRA
SWISS  TECHNOLOGY

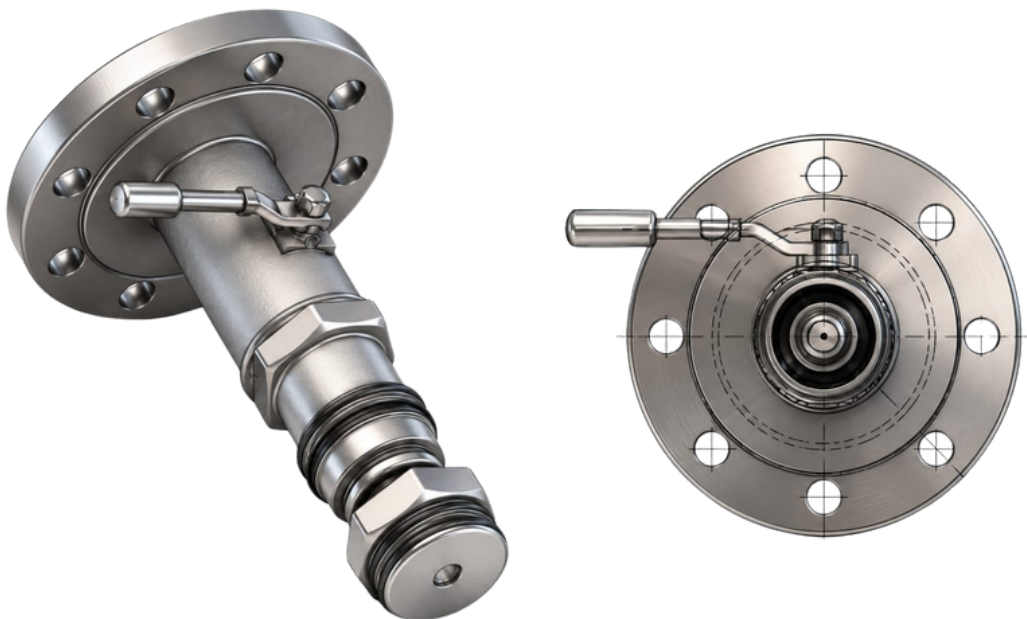
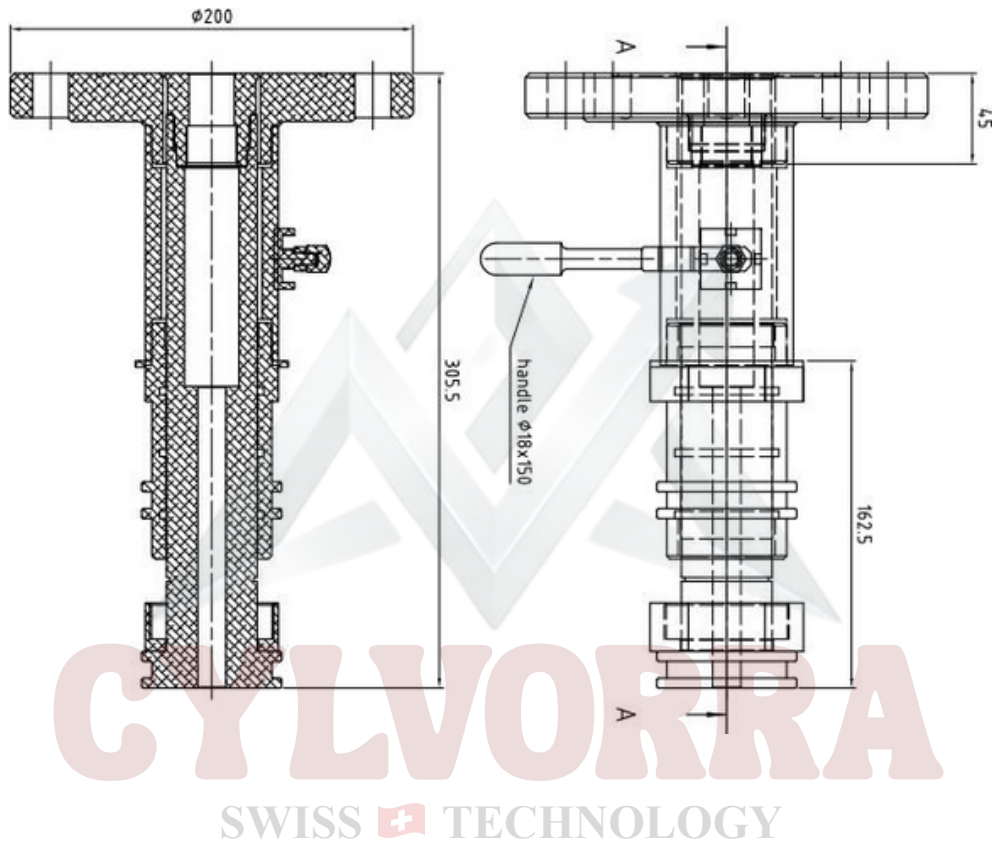


How to Order Retractable Safe Valve

Drive type and limit contact switches			
A	Manual without limit contact switches		
	Assembly version, locking		
	1	Standard version	
	2	Standard version, service position + measuring position	
		Sensor type	
	B1	ABBTB556, Flat glass 38 mm, insertion deep	
	B2	ABBTB557, Flatglass	
	B3	Yokogawa FU20, NP	
	B4	Yokogawa FY20, FSM	
	B5	E-HCLS1D	
	B6	E-HCLS82D, PG13,5/120mm	
		Assembly material (in contact with medium)	
	SS	Stainless steel (EN1.4404); 316 Titanium	
	TI	Gr2(EN3.7035)	
	AI	AISI904L (EN1.4539)	
		Seal material (in contact with medium)	
	C1	PTFE+20C+5Gr	
	C2	PTFE100%	
	C3	PTFE with SILICA (Strong Acid)	
		Process connection	
	WC	Welded	
	WR	Welded reduced	
	TH	Threaded	
	80	DN80 flange (acc. Assembly material)	
	50	DN50 flange (acc. Assembly material)	
		Optional equipment	
	TT	Sensor tools RSV	

Example selection **RSVA-B1-SS-C2-80-TT; CYLVORRA**

Mechanical Construction (Flange type)



Mechanical Construction (Thread type)

