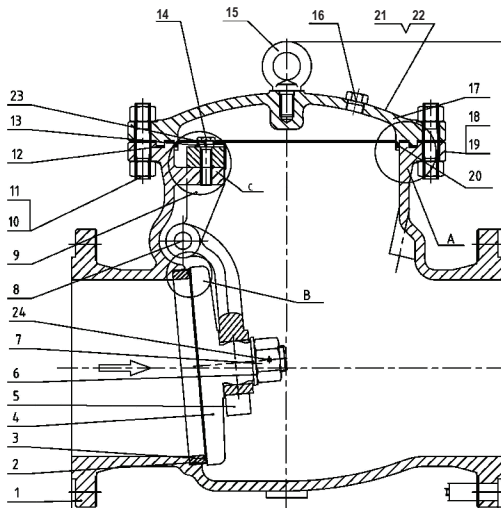


RANGER

VALVE AMERICA

API 6D FULL OPENING SWING CHECK VALVE



Item	Part Name	Item	Part Name
1	BODY	13	SPRING WASHER
2	SEAT	14	ROCKER ARM HANGER BOLT
3	SEAT O-RING	15	EYEBOLT
4	DISC	16	PLUG (NPT)
5	ROCKER ARM	17	COVER
6	GASKET	18	NAMEPLATE
7	NUT	19	RIVET
8	HINGE PIN	20	O-RING
9	ROCKER ARM HANGER	21	WARNING TAG
10	NUT	22	RIVET
11	STUD	23	ANTI-ROTATION DEVICE
12	SPIRAL WOUND GASKET	24	COTTER PIN

NOTES:

- Drawings are representation only.
- Please contact Ranger for specific and current PDF drawings.
- Wide range of materials available to fit service conditions, including standard low and high temp. as well as NACE.

OPTIONS

Other options such as external weighting and lock-outs available on request.

HIGH PRESSURE PNEUMATIC SHELL TEST

The test is performed by submerging the valves in water and pressure testing the valves with compressed air or nitrogen. Any pinholes in the casting are easily spotted as gas bubbles in the water.

NPS	Duration (min.)	Class	Test Pressure (psi)
1/2 - 4	4	150	300
		300	575
6-10	10	600	725
		900	725
12-18	20	1500	2175
		2500	3625

KEY FEATURES & STANDARDS

- General standards: API 6D, CSA Z245.15-13, and ASME B16.34
- Firesafe design (ISO 10497)
- Standard valves meet NACE MR0175 & ISO 15156
- In-line repairable & full-port piggable
- Full stainless steel seat with replaceable O-ring
- Forged steel disc (cast for sizes >4") with 316 overlay on sealing area
- Dovetail seat seal groove
- Bleed Plug on cover; and boss provided for drain plug
- Support feet on 6" and larger & lifting eye bolts on 4" and larger
- Suitable for horizontal and vertical installation.
- Standard document package BS/EN 10204-3.1
- All O-rings are AED (anti-explosive decompression)
- Independent dual cover seals o-ring for the primary seal, supported by a firesafe 316 SS spiral wound graphite gasket or metal real ring (non-pressure seal design).
- Pressure seal cover standard for larger/high pressure valves (10" and larger ASME 1500 & 8" and larger ASME 2500)
- **Ranger is proud to provide an industry leading warranty (48/24 months*)**

MANUFACTURING RANGE

AVAILABLE IN BOTH FULL AND REGULAR PORT

Size	150 ASME	300 ASME	600 ASME	900 ASME	1500 ASME	2500 ASME
2	•	•	•	•	•	•
4	•	•	•	•	•	•
6	•	•	•	•	•	•
8	•	•	•	•	•	•
10	•	•	•	•	•	•
12	•	•	•	•	•	•
14	•	•	•	•	•	•
16	•	•	•	•	•	•
18	•	•	•	•	•	•
20	•	•	•	•	•	•
24	•	•	•	•	•	•
30	•	•	•	•	•	•
36	•	•	•	•	•	•
40	•	•	•	•	•	•
42	•	•	•	•	•	•
48	•	•	•	•	•	•
50	•	•	•	•	•	•
54	•	•	•	•	•	•
56	•	•	•	•	•	•
60	•	•	•	•	•	•

"•" Identifies Ranger's standard design.

"•" Identifies larger sizes available on request.

* Ranger provides an industry leading limited warranty of 48 months from date of shipment or 24 months from date of start-up.

KEY STANDARDS

- API 6D
- ASME B16.34
- ISO 10497
- ISO 15156
- NACE MR0175
- BS/EN 10204-3.1
- ISO 10497
- Internal test specifications

API 6D SWING CHECK