

Overview and Applications

- Simple in structure, easy to manufacture and repair
- Short working stroke and quick opening/closing time
- Good sealing performance, low friction between sealing faces, and relatively long service life.

It is widely used in petroleum, chemical, metallurgy, steel, water supply and drainage, power generation, and other pipelines to open or shut off the flow.

Product Design and Acceptance Standards

- Standards of design: GB12233、GB12235、API600
- Structural length: GB12231、ANSI B16.10
- Standard of flange: GB4216、GB9115、ANSI B16.5
- Testing standards: GB13927、JB9092、API598

Main Performance Specifications

Nominal pressure		1.0		1.6		2.5	
Test pressure (MPa)	Shell strength	1.5		2.4		3.75	
	Sealing Sealing performance	1.1		1.76		2.75	
壳体材料 Shell materials		Cast iron (CI), Ductalloy	Cast iron (CI)	Steel casting No.25A	不锈钢Stainless steel	钼二钛钢Mo2Ti steel	铬铜钢CrMo steel
Sealling fale materials		铜Cu、 不锈钢 Stainless steel	橡胶NBR	不锈钢Stainless steel	不锈钢Stainless steel	钼二钛钢Mo2Ti steel	庚质合金Carbide alloy
工作温度(℃) Working temperature		≤120	≤60	≤425	≤200	≤200	≤550
Working motium		Water、 Steam、 Oil	Water	Water、 Steam、 Oil	Nitric acid	Acetric acid	Water、 Steam、 Oil

Main Outline and Connection Dimensions

Nominal diameter DN(mm)	Nominal pressure PN(MPa)	J41T/H Type								
		L	D	D ₁	D ₂	b	f	Z-ød	H	D ₀
10	1.6	130	90	65	40	14	2	4-14	198	120
15		130	95	65	45	16	2	4-14	218	120
20		150	105	75	55	16	2	4-14	258	140
25		160	115	85	65	16	2	4-14	275	160
32		180	135	100	78	18	2	4-18	280	180
40		200	145	110	85	18	3	4-18	330	200
50		230	160	125	100	18	3	4-18	350	240
65		290	190	145	120	18	3	4-18	400	280
80		310	195	160	135	20	3	8-18	355	280
100		350	245	180	185	22	3	8-18	415	320
125		400	245	210	185	24	3	8-18	460	300
150		480	280	240	210	24	3	8-23	510	400
200		600	335	295	265	26	3	12-23	710	450
250		650	405	355	320	30	3	12-26	786	450
300		750	460	410	375	30	3	12-26	925	500
10	2.5	130	90	60	40	16	2	4-14	198	120
15		130	95	65	45	16	2	4-14	218	120
20		150	105	75	55	16	2	4-14	258	140
25		160	115	85	65	16	2	4-14	275	160
32		200	145	100	78	18	3	4-18	330	180
50		230	145	120	95	20	3	8-18	350	280
60		290	190	145	120	20	3	8-18	400	280
80		310	195	160	135	22	3	8-18	355	350
80		350	190	160	135	24	3	8-18	355	320
100		350	230	190	188	24	3	8-23	415	360
125		400	270	220	188	28	3	8-25	460	360
150		480	300	250	218	30	3	8-25	510	400
200		600	360	310	278	34	3	12-25	710	450
250		650	425	370	332	36	3	12-30	786	450
300		750	485	430	390	40	4	12-30	925	500

