

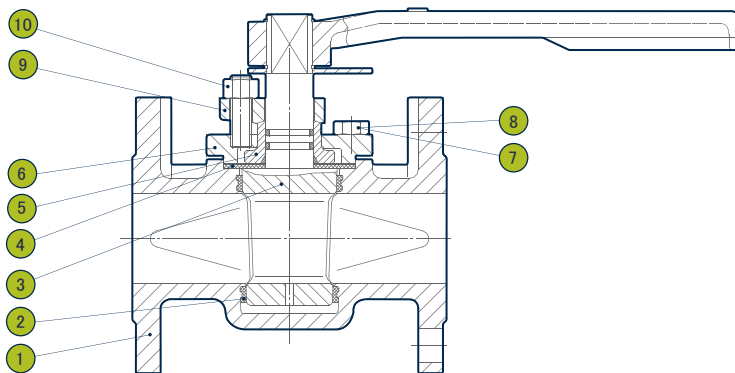
Cast Steel Sleeved Plug Vavles, CLASS 150 / CLASS 300

ASME CLASS 150: 285 psi @ 100°F
ASME CLASS 300: 740 psi @ 100°F



Plug Valve

2



• Flow Coefficients

The table beside presents the Flow Coefficients for DIE ERSTE Series KO-150SP/300SP sleeved plug valves. This number represents the flow required to produce a 1 psig pressure drop across the valve. These testing data are gained under valves were in the full open position. For various degrees of open are available upon request.

To know specific system characteristics; such as line size, flow rate, temperature and pressure and to know specific fluid characteristics; such as specific gravity, density, or compressibility factor allows the verification of the pressure drop across a known valve. Or conversely, in the absence of a valve size and knowing an acceptable pressure drop under the described flow conditions it is possible to select an appropriately sized valve.

Valve Size	NPS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	14"	16"
	DN	15	20	25	32	40	50	65	80	100	150	200	250	300	350	400
Rated Cv		7.4	19.5	48.8	--	83.5	153	--	322	555	955	1859	2361	3400	3430	7000
Required Toruqe (in-lbs)		35.41	35.41	83.21	95.6	159.3	203.6	203.6	230.2	646.2	1673	3656	6931	7321	10357	14048

Connections

- Flanged end face-to-face length and dimensions meet ASME B16.10 & ASME B16.5
- Butt-welding end-to-end length meets ASME B16.25
- Socket-welding end-to-end length meets ASME B16.11

Component and Common Materials				
NO.	PARTS NAME	MATERIALS		
1	Body	A 216-WCB	A 351-CF8	A 351-CF8M
2	Sleeve (Seat Ring)	PTFE, FEP, PCTFE, PVDF, PFA		
3	Plug	WCB, A 105, MONEL, CF8, CF8M, CF3, CF3M		
4	Gasket	RPTFE, PFA		
5	Gland	A 182-F6	F304	F316
6	Cover	WCB	CF8	CF8M
7	Cover Bolts	A 193-B7	A 193-B7M	
8	Nuts	A 194-2H	A 194 Gr.8	
9	Gland Flange	A 216-WCB	A 351-CF8	
10	Flange Bolts	A 194-2H	A 194 Gr.8	

* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.