VASTAS
VALVES & ACTUATORS

E10D Wedgeplug Valves

Full Bore, On - Off, Through Conduit, Non-lubricated, Easy Operation

For...

- Coke & Severe
- Petroleum Refining
- Oil & Gas Production



DN	NPS	
150 / 600	6-24 inch	6D-0449

CAT-E400-5R0

E10D **Wedgeplug Valve**

Feature

- Ⓐ Full Bore
- Ⓑ On - Off (Non-proportional op.)
- Ⓒ Unidirectional
- Ⓓ Fire Safe Design
- Ⓔ Non-lubricated
- Ⓕ Metal to Metal seating
- Ⓖ Low Torque
- Ⓗ Easy Operation
- Ⓘ Lifting & Rotating & Landing is one operation
  (Right driving= closing & left driving= opening)
  On - Off operation with lifting & rotating & landing
- Ⓙ Online Repair
- Ⓚ Online Decoke
- Ⓛ Vertical & Horizontal Assembly
- Ⓜ Purge & Flushing Design

Options

- Manual or Electric Act. ,
- Extended Bonnet
- Chain Wheel
- Live Loading Packing (Maintenance less packing)
- Soft Seat Option (Elastomer or Thermoplastic)
- Steam Jacketed
- Hardface
- High Temp. Services 593°C

Product Standards

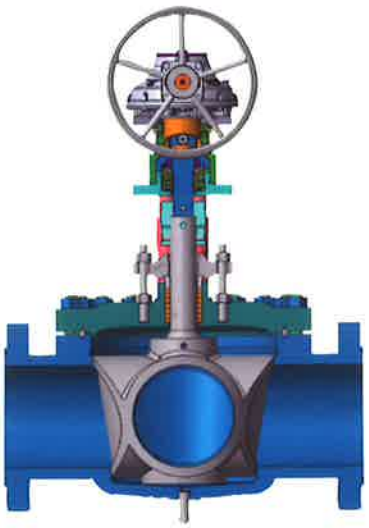
- Designed and approved as per ***API 6D, ISO 14313***
- Design criteria to ***ASME B16.34***
- Flanged End dimensions to ***ASME B16.5***
- Welding End dimensions to ***ASME B16.25***
- ***WPS-PQR & WPQ*** certification complying to American Welding Standards.
- Tested to ***API 598***

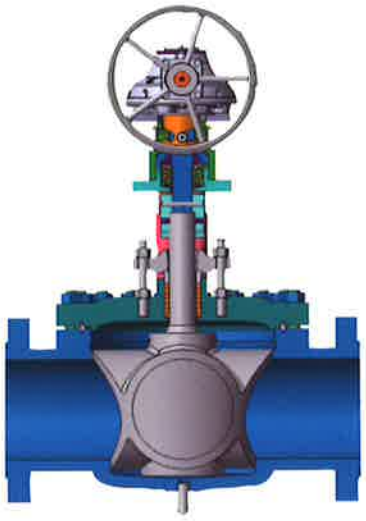
Instruction Manual Specification (IM)

- Valve Operation instruction and technical datasheet (DS) plus detailed drawing (DRWG) for special dimensional and accessory equipped valves are submitted by delivery.
- Assembly and usage of the valve without reading VA-IM-10D-4R0 and other documentation is not recommended.

Alternative Body and Trim Materials

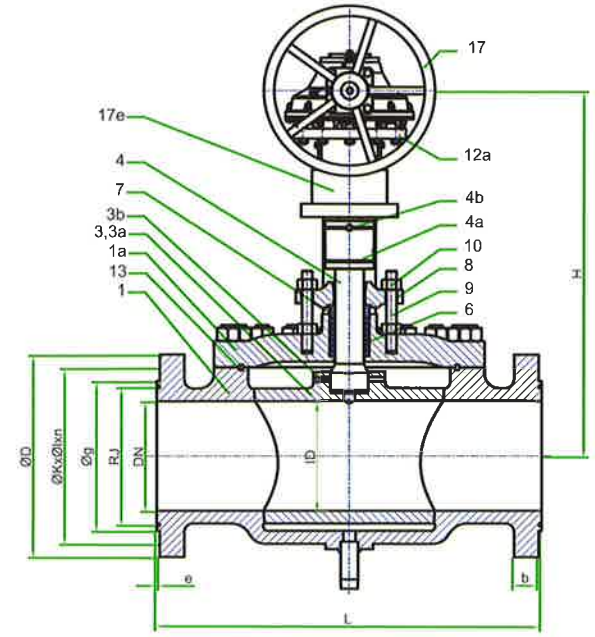
Please see part list table. Other materials are applicable, upon request.

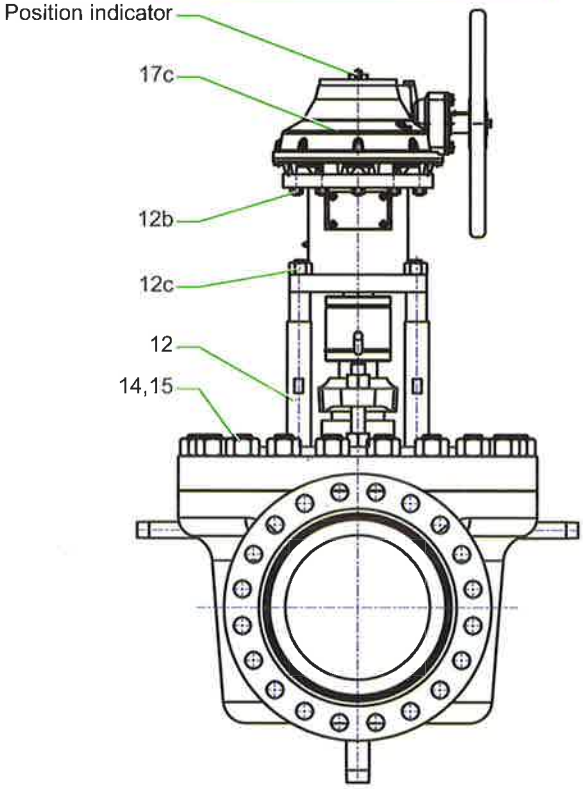




E10D PART LIST

Item	Part Name	Symbol	Material
1	Body	C12	ASTM A217 Gr.C12
1a	Bonnet	C12	ASTM A217 Gr.C12
3	Plug	13Cr	ASTM A217 Gr.CA15+HF
3b	Disc Pin	13Cr	AISI 410
4	Stem	13Cr	AISI 410+HF
4a	Coupling	4140	AISI 4140
4b	Pin	4140	AISI 4140
6	Packing	GRF	GRAPHITE
7	Gland	13Cr	ASTM A276 T410
8	Gland Flange	13Cr	ASTM A217 Gr.CA15
9	Stud Bolt	B7	ASTM A193 Gr.B7
10	Nut	2H	ASTM A194 Gr.2H
12	Yoke	4140	AISI 4140
12a	Mounting Flange	A515	ASTM A515 Gr.70
12b	Flange Bolt	B	ASTM A307 Gr.B
12c	Yoek Bolt	B	ASTM A307 Gr.B
13	Gasket (RTJ)	316	ASTM A240 Gr.316
14	Stud Bolt	B7	ASTM A193 Gr.B7
15	Nut	2H	ASTM A194 Gr.2H
17	Handwheel	CS	CARBON STEEL
17c	Gear Box	G	MASTERGEAR A33+DE43 (2V)
17e	Mechanism	4140	AISI 4140
18	Name Plate	430	AISI 430
19	Painting	EP	SOLVALITT 9007





Working Pressure

Class	300	600
-29 + 38°C at (Bars)	51	102
max. 425°C at (Bars)	28	35

Test Pressure

Class	300	600
Shell (Bars)	77	153
Closure (Bars)	56	112





Technical Data

Figure	Class	NPS inch	DN mm	K_v	C_v	ID mm	D	b mm	Øg	ØK	n	Øl	RJ	L RF	L RTJ	H	Wt. (Kg)
E12D	300	6	150	4282	4950	150	318	36,5	241	269,7	12	22	R-45	559	575	749	320
		8	200	7612	8800	201	381	41,3	302	330	12	25,5	R-49	686	702	1026	490
		10	250	12128	14020	252	445	48	356	387	16	29	R-53	826	841	1076	860
		12	300	18356	21220	303	521	51	413	451	16	32	R-57	965	981	1026	990
		16	400	26730	30900	385	648	57	508	572	20	35	R-65	762	778	1194	1950
		20	500	61470	71060	487	775	64	635	686	24	35	R-73	1270	1295	1270	3600
		24	600	9083	10500	589	914	70	749	813	24	41	R-77	1356	1378	1308	4500
E13D	600	6	150	3650	4220	150	356	48	241	292	12	29	R-45	660	664	770	490
		8	200	7076	8180	201	419	56	302	349	12	32	R-49	794	797	1022	750
		10	250	11539	13340	252	508	64	356	432	16	35	R-53	940	943	1073	1350
		12	300	15155	17520	303	559	67	413	489	20	35	R-57	1067	1070	1048	1520

$C_v = 1.156\ K_v$

E10D Wedgeplug Valve



Approved in all fields...

Vastas owns all the major approvals, API 6D, API 600, CE & ATEX for products and ISO 9001, OHSAS 18001, ISO 14001 for Quality, Health & Safety, Environment, which are integrated to one system; "QHSE Integrated Corporate Management System".It's alos certified with TSE Complience Certificate, GOST-R (Conformity) Certificate and NACE.

VASTAS
VALVES & ACTUATORS

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Agency

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TÜV ISO 9001 032841

TÜV ISO 14001 031931

TÜV ISO 18001 030063

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