

PART 2. CHEMICAL FITTINGS

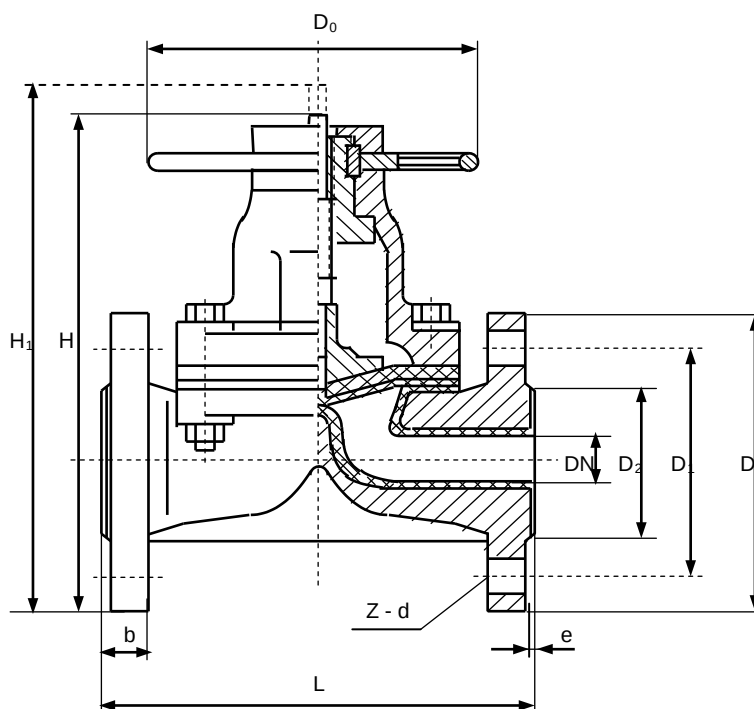
Chemical stop and control valves made by CJSC Group of companies "CHEMAGREGAT" are meant for shutoff and regulation of flows of aggressive fluids. Leakproofness class of the valves is "A" according to ГOCT 9544-93. For manually driven valves (handwheel, handle), as well as for valves with manual reducing drives and electric alternates closing force should comply with OCT 26-07-420-83.

By special order it is possible to manufacture valves with specification that differs from specification specified in the tables (in particular concerning temperature ranges).

Section 1. Chemical orifice valves ВДХ DN/PN.1,2,3

A casing is made of carbon (.1), stainless steel 304 (.2), or completely of polymeric materials (.3; $DN \leq 50$ mm). Flow tube of valves ВДХ DN/PN.1,2 is lined with fluoroplastic Ф-4МБ (FEP).

Operating temperature is from -50 to 150°C , PN = 0,6; 1,0; 1,6 MPa.



Model	Overall and connecting dimensions, mm											Mass kg
	DN	L	D	D ₁	D ₂	b	e	z - d	H	H ₁	D ₀	
PN = 0,6 MPa (6 bar)												
ВДХ 15/6.1,2	15	125	80	55	40	14	2	4 - 12	156	166	100	3
ВДХ 20/6.1,2	20	135	90	65	50	16	2	4 - 12	161	171	100	3,5
ВДХ 25/6.1,2	25	145	100	75	60	16	2	4 - 12	177	190	140	5,5
ВДХ 32/6.1,2	32	160	120	90	70	16	3	4 - 14	192	209	140	7
ВДХ 40/6.1,2	40	180	130	100	80	16	3	4 - 14	220	240	160	9
ВДХ 50/6.1,2	50	210	140	110	90	16	3	4 - 14	232	258	160	12,5
ВДХ 65/6.1,2	65	250	160	130	110	16	3	4 - 14	276	310	200	20
ВДХ 80/6.1,2	80	300	185	150	125	18	3	4 - 18	313	355	240	26
ВДХ 100/6.1,2	100	350	205	170	145	18	3	4 - 18	375	428	240	36
ВДХ 125/6.1,2	125	400	235	200	175	20	3	8 - 18	450	515	280	60
ВДХ 150/6.1,2	150	460	260	225	200	20	3	8 - 18	502	580	320	80
ВДХ 200/6.1,2	200	570	315	280	255	22	3	8 – 18	654	758	360	125
ВДХ 250/6.1,2	250	680	370	335	310	24	4	12 - 18	755	885	400	240
PN = 1,0 MPa (10 bar)												
ВДХ 15/10.1,2	15	125	95	65	45	14	2	4 - 14	164	174	100	3
ВДХ 20/10.1,2	20	135	105	75	55	16	2	4 - 14	169	179	100	3,5
ВДХ 25/10.1,2	25	145	115	85	65	16	2	4 - 14	185	198	140	5,5
ВДХ 32/10.1,2	32	160	135	100	78	16	3	4 - 18	200	217	140	7
ВДХ 40/10.1,2	40	180	145	110	85	17	3	4 - 18	228	248	160	9
ВДХ 50/10.1,2	50	210	160	125	100	18	3	4 - 18	252	268	160	12,5
ВДХ 65/10.1,2	65	250	180	145	120	20	3	4 - 18	296	320	200	20
ВДХ 80/10.1,2	80	300	195	160	135	22	3	4 - 18	318	360	240	26
ВДХ 100/10.1,2	100	350	215	180	155	22	3	8 - 18	380	433	240	36
ВДХ 125/10.1,2	125	400	245	210	185	24	3	8 - 18	455	520	280	60
ВДХ 150/10.1,2	150	460	280	240	210	24	3	8 - 23	512	590	320	80
ВДХ 200/10.1,2	200	570	335	295	265	26	3	8 - 23	664	768	360	125
ВДХ 250/10.1,2	250	680	390	350	320	28	4	12 - 23	765	895	400	240
PN = 1,6 MPa (16 bar)												
ВДХ 15/16.1,2	15	130	95	65	45	15	2	4 - 14	164	174	100	3
ВДХ 20/16.1,2	20	150	105	75	55	16	2	4 - 14	169	179	100	3,5
ВДХ 25/16.1,2	25	160	115	85	65	16	2	4 - 14	185	198	140	5,5
ВДХ 32/16.1,2	32	180	135	100	78	16	3	4 - 18	200	217	140	7
ВДХ 40/16.1,2	40	200	145	110	85	17	3	4 - 18	228	248	160	9
ВДХ 50/16.1,2	50	230	160	125	100	18	3	4 - 18	252	268	160	12,5
ВДХ 65/16.1,2	65	290	180	145	120	20	3	8 - 18	296	320	200	20
ВДХ 80/16.1,2	80	310	195	160	135	22	3	8 - 18	318	360	240	26
ВДХ 100/16.1,2	100	350	215	180	155	24	3	8 - 18	380	433	240	36
ВДХ 125/16.1,2	125	400	245	210	185	26	3	8 - 18	455	520	280	60
ВДХ 150/16.1,2	150	480	280	240	210	28	3	8 - 23	512	590	320	80
ВДХ 200/16.1,2	200	600	335	295	265	30	3	12 - 23	664	768	360	125
ВДХ 250/16.1,2	250	730	390	355	320	30	4	12 - 25	773	903	400	240