Features

- 2” (DN 50)
- Material: DUCTILE IRON
- Working Pressure: PN16
- Working Temp: +4℃~ +110℃
- Lugged Type
- Lever Operator
- Single acting actuator

RS PRO DUCTILE IRON Lugged Butterfly Valve, 2" with Single acting actuator 5.5 Bar

RS Stock No.: 0834630



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

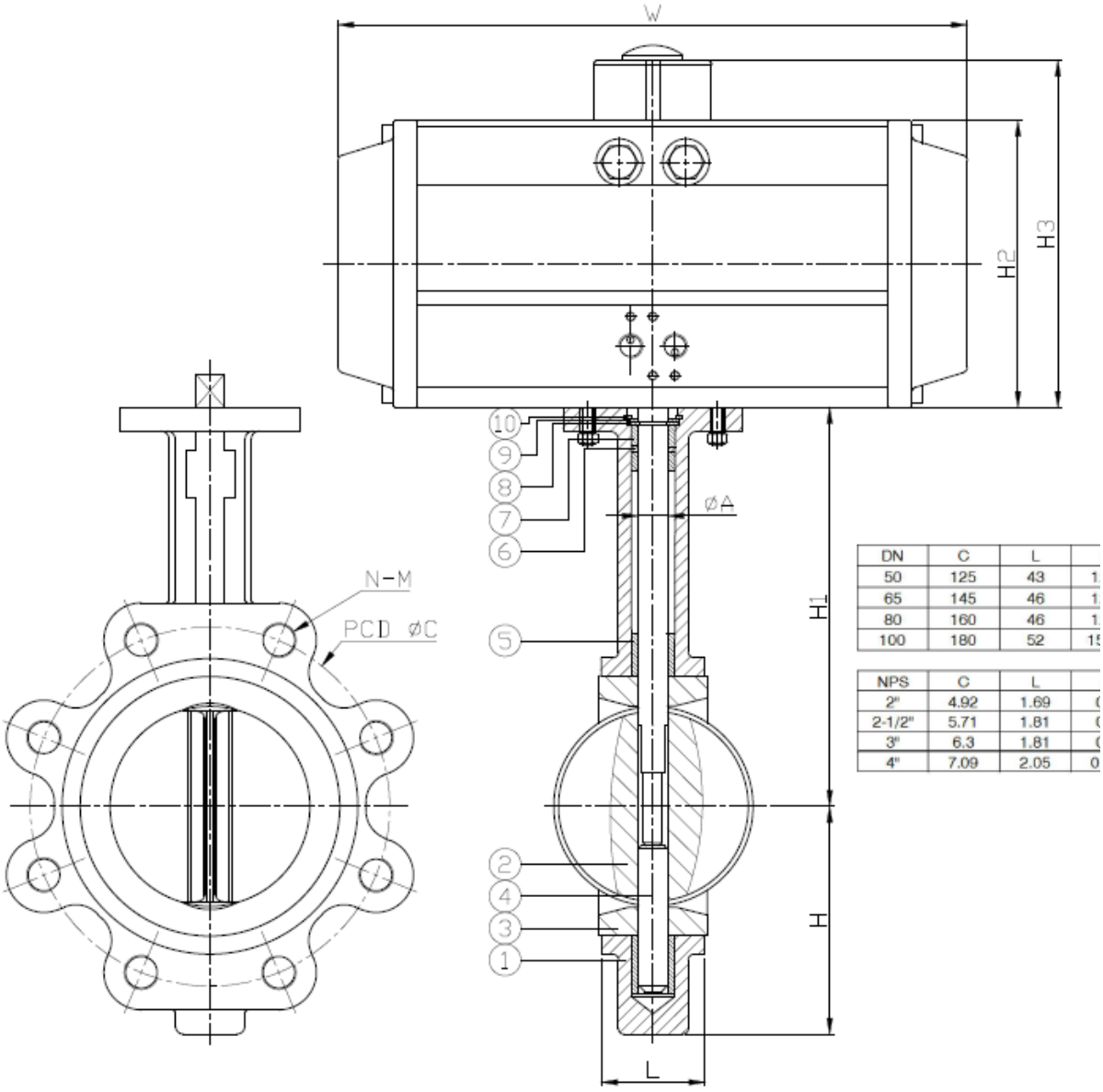
This butterfly valve is suitable for throttling or isolating corrosive or non-corrosive gases, liquids, semi-liquids, and solid powders.

Feature:
2” (DN 50)
Material: DUCTILE IRON
Working Pressure: PN16
Working Temp: +4℃~ +110℃
Lugged Type
Lever Operator
Single Acting Actuator

Materials:
BODY: DUCTILE IRON
SEAT: EPDM
DISC: ASTM A351-CF8M
BUSHING: FRP
SHAFT: SS 420
O-RING: NBR
HALF RING/GASKET: STAINLESS STEEL
SNAP SPRING: SK7

Similar Products

RS Stock No.	MPN	Actuator Model	DN (mm)	NPS	L (mm)	H	H1	H2
	834630	834630	DN50	2"				
	834631	834631	DN65	2 1/2				
	834632	834632	DN80	3"				
	834633	834633	DN100	4"				
	834634	834634	DN150	6"				
	834635	834635	DN200	8"				



DN	C	L	
50	125	43	1
65	145	46	1
80	160	46	1
100	180	52	15

NPS	C	L	
2"	4.92	1.69	(
2-1/2"	5.71	1.81	(
3"	6.3	1.81	(
4"	7.09	2.05	0

DN	C	L	A	H	H1	H2	H3	W	N	M	Actuator
50	125	43	12.6	80	140	100	120	206	4	M16	HTS-075-10
65	145	46	12.6	89	150	109	129	213	4	M16	HTS-083-10
80	160	46	12.6	95	158	120	140	259	8	M16	HTS-092-10
100	180	52	15.77	114	176	155	175	340	8	M16	HTS-125-10

unit:mm

NPS	C	L	A	H	H1	H2	H3	W	N	M	Actuator
2"	4.92	1.69	0.5	3.15	5.51	3.94	4.72	8.11	4	M16	HTS-075-10
2-1/2"	5.71	1.81	0.5	3.5	5.91	4.29	5.08	8.39	4	M16	HTS-083-10
3"	6.3	1.81	0.5	3.74	6.22	4.72	5.51	10.2	8	M16	HTS-092-10
4"	7.09	2.05	0.62	4.49	6.93	6.1	6.89	13.39	8	M16	HTS-125-10

unit:in

DN	C	L	A	H	H1	H2	H3	W	N	M	Actuator
150	240	56	18.92	139	211	171.5	191.5	414	8	M20	HTS-140-10
200	295	60	22.1	174	236	230	260	524	12	M20	HTS-190-10

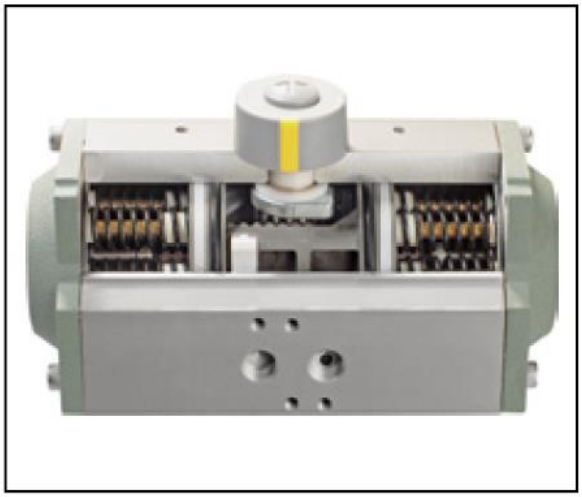
unit:mm

NPS	C	L	A	H	H1	H2	H3	W	N	M	Actuator
6"	9.45	2.2	0.74	5.47	8.31	6.75	7.54	16.3	8	M20	HTS-140-10
8"	11.61	2.36	0.87	6.85	9.29	9.06	10.24	20.63	12	M20	HTS-190-10

unit:in

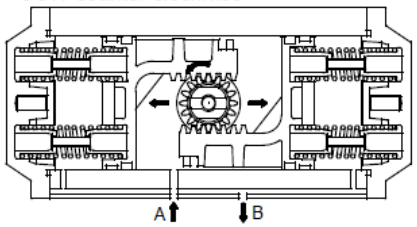
ITEM	PARTS	MATERIAL
1	BODY	DI
2	DISC	ASTM A351-CF8M
3	SEAT	EPDM
4	SHAFT	SS 420
5	LONG BUSHING	FRP
6	O-RING	NBR
7	SHORT BUSHING	FRP
8	HALF RING	STAINLESS STEEL
9	GASKET	
10	SNAP SPRING	SK7

FEATURE :
- Design : EN 593
- Inspection & test : EN 12266-1
- End standard : EN 1092-2
- Face to Face : EN 558-1
- Flange End : PN16
- Work Pressure : 16Bar



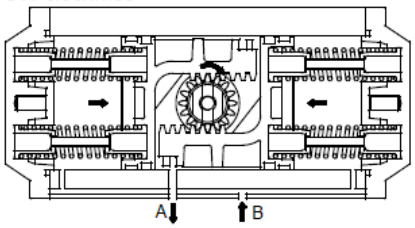
The operating principle of single acting spring return actuator

CCW-counter-clockwise



Air to port A forces the pistons outwards, causing the springs to compress. The pinion turns counter-clockwise while air is being exhausted through port B.

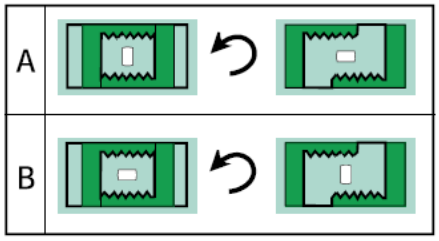
CW-clockwise



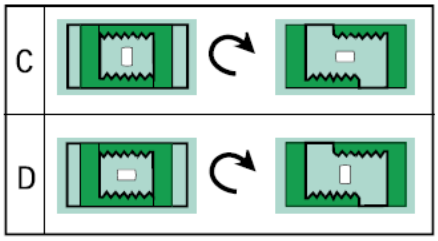
Loss of air pressure through port A allows the stored energy in the springs to force the pistons inwards. The pinion turns clockwise while air is being exhausted through port A.

Mounting Variations

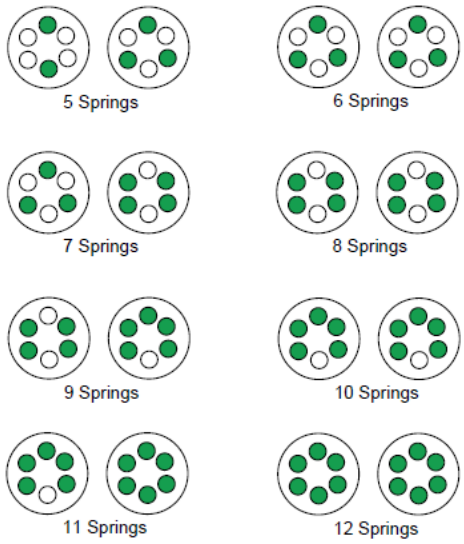
CCW-counter-clockwise



CW-clockwise



Spring Arrangement



Unit: in.lbs

Unit: in.lbs	Spring Set	Spring Torque		Air Supply Pressure													
				40 Psi		50 Psi		60 Psi		70 Psi		80 Psi		90 Psi		100 Psi	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
HTS-052	5	34	54	61	40	84	61	108	83								
	6	40	65	54	30	78	51	101	73								
	7	46	75	49	21	72	42	95	64								
	8	53	86			65	33	89	55	112	77	136	98				
	9	60	97					82	45	106	67	129	88				
	10	66	108					76	35	99	58	123	79	146	101	169	122
	11	73	119							93	48	116	70	139	91	163	113
	12	80	129							86	39	109	61	133	82	156	104
HTS-075	5	100	155	177	119	246	183	315	248								
	6	119	186	157	91	226	156	295	220								
	7	140	217	136	63	205	128	275	192								
	8	160	248			184	99	254	164	324	229	394	294				
	9	179	279			165	72	234	136	304	201	374	266				
	10	199	310					214	108	284	173	353	238	422	302	492	367
	11	219	341							263	146	333	210	402	274	472	339
	12	239	372							244	118	313	182	382	246	452	311
HTS-083	5	122	188	224	157	310	238	397	319								
	6	146	225	201	123	287	204	374	286								
	7	171	264	177	89	263	170	349	251								
	8	195	301			239	136	325	218	411	300	497	381				
	9	219	339			215	102	301	184	387	265	474	347				
	10	244	376					277	150	363	232	450	313	536	395	621	476
	11	268	414							340	198	426	280	512	362	598	442
	12	293	452							316	164	402	245	488	326	574	408
HTS-092	5	194	289	336	241	469	374	601	506								
	6	233	347	297	183	430	316	562	448								
	7	272	405	259	125	391	258	524	390								
	8	311	463			352	200	485	333	617	465	750	598				
	9	349	521			313	143	446	275	579	407	711	540				
	10	388	578					407	217	540	349	672	482	805	615	937	747
	11	427	636							501	292	633	424	766	557	899	689
	12	466	694							462	234	595	366	727	499	860	631

HTS-125	5	463	738	861	575	1203	889	1544	1202									
	6	555	886	760	440	1102	753	1443	1066									
	7	647	1033	660	307	1002	619	1343	931									
	8	740	1181			900	483	1242	796	1583	1109	1925	1422					
	9	832	1329			799	347	1141	660	1482	973	1824	1286					
	10	925	1477					1040	525	1381	838	1723	1151	2064	1464	2458	1825	
	11	1017	1624							1281	703	1623	1016	1964	1329	2358	1642	
	12	1110	1771							1180	568	1521	881	1863	1194	2204	1507	
HTS-140	5	705	1110	1290	876	1799	1358	2308	1840									
	6	846	1332	1141	665	1650	1148	2159	1630									
	7	987	1554	936	455	1476	937	2017	1420									
	8	1128	1776			1353	728	1861	1209	2370	1691	2878	2172					
	9	1269	1998			1204	517	1713	999	2221	1480	2729	1962					
	10	1410	2219					1564	789	2072	1270	2581	1752	3089	2233	3603	2715	
	11	1551	2441							1923	1060	2432	1542	2940	2023	3449	2506	
	12	1692	2663							1775	850	2283	1331	2791	1813	3300	2295	
HTS-190	5	1732	2741	3202	2136	4464	3320	5726	4503									
	6	2078	3289	2832	1617	4094	2801	5357	3984									
	7	2424	3837	2462	1098	3725	2281	4987	3465									
	8	2771	4385			3355	1762	4618	2945	5880	4129	7142	5312					
	9	3117	4933			2987	1243	4249	2426	5511	3610	6774	4793					
	10	3463	5481					3879	1907	5142	3090	6404	4274	7666	5457	8929	6641	
	11	3809	6030							4772	2571	6034	3754	7297	4938	8559	6121	
	12	4156	6578							4402	2052	5665	3235	6927	4419	8190	5602	