

SEGMENT KÜRESEL VANALAR AVAK-V SERİSİ



MODEL

AVAK-V Serisi

ÖLÇÜ

DN 25 - 400

BASINÇ SINIFI

PN 16/64

FLANŞLAR ARASI

AVA PROSES Standart

FLANŞ DİZAYNI

EN 1092-1

SICAKLIK DEĞERLERİ

-35 °C - 400 °C

Akışkan özelliklerine ve sızdırmazlık elemanlarına bağlı olarak değişiklik gösterir.

SIZDIRMAZLIK ELEMANLARI

R-PTFE, AISI316+Stelit, AISI316+HCr

GÖVDE MALZEMESİ

AISI 316, WCB 216

KÜRE MALZEMESİ

AISI 316, AISI316+Stelit, AISI316+HCr

KUMANDA ŞEKİLLERİ

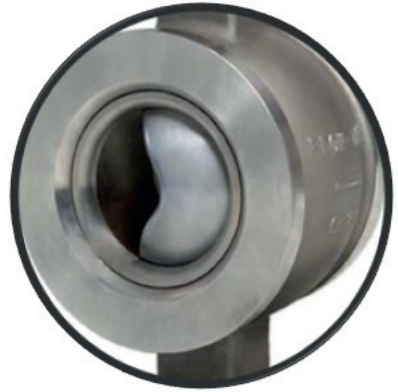
Kol Kumandası, Pnömatik Aktuatörlü, Elektrik Aktuatörlü, Dişli Kutulu (Gear Box)

UYGULAMA ALANLARI

Madenler, Kağıt Endüstrisi, Enerji Santralleri, Demir Çelik Fabrikaları, Jeotermal Enerji Tesisleri, Kimya ve Petro Kimya Tesisleri

Küre – V– Yapısı

- Zorlu şartlarda yüksek performans elde edilir.
- Dizaynı ağır endüstriyel şartlar için geliştirilmiştir.
- Maden ve kağıt endüstrilerinde tıkanma, donma problemlerine karşı çözüm sunar.
- İstenen kontrol değerlerini yakalamayı optimum açılar ile mümkün kılar.
- Akışkan özelliklerine göre en uygun conta ve küre malzemesi seçimi ile tam sızdırmazlık elde edilir.
- Conta –sızdırmazlık elemanı- kolaylıkla değiştirilebilir.



METAL SEAT A / METAL SEAT B

Seat	304/316+STL
Spring	17-7PH/316L
O-ring	Viton High Temp. Viton
Packing	PTFE Graphite
Temp. Range	-29~150°C -29~220°C

HIGT TEMP.METAL SEAT C

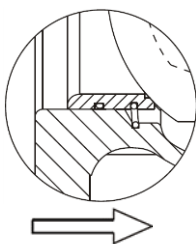
Seat	304/316+STL
Spring	17-7PH/316L
O-ring	Graphite
Packing	Graphite
Temp. Range	-29~350°C

SOFT SEAT D

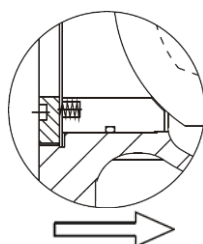
Seat	DEVLON PCTFE PEEK
Spring	17-7PH/316L
O-ring	Viton
Packing	PTFE Graphite
Temp. Range	-29~120°C -29~120°C -29~150°C -29~240°C

SEAT OPTIONS

Metal Seat A

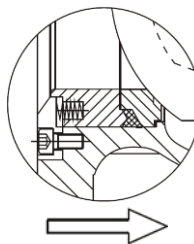


Metal Seat B

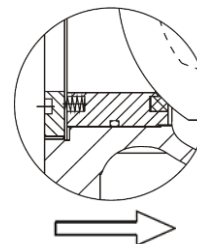


Flow Direction

High Temp Metal Seat C.



Soft Seat D



Flow Direction

SOFT SEAT DESING

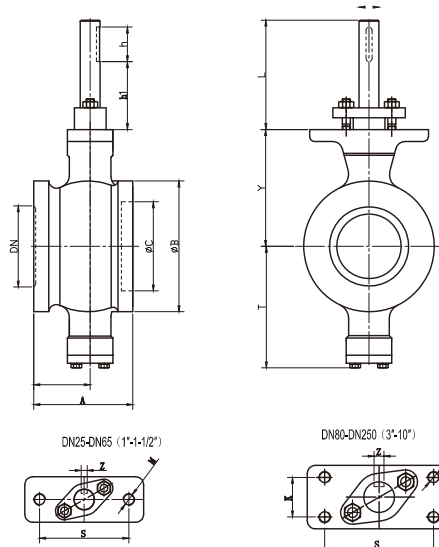
Seat	AISI304+P.T.F.E / AISI316+P.T.F.E
Spring	17-7 PH or Inconel
O-Ring	Viton
Stem Packing	P.T.F.E
Ball+Hardened treatment	Hard chromium plated / Nitriding
Suitable Temperature range	-29 °C/150 °C
Suitable medium	Water / Oil / Steam /Gas

METAL SEAT DESING

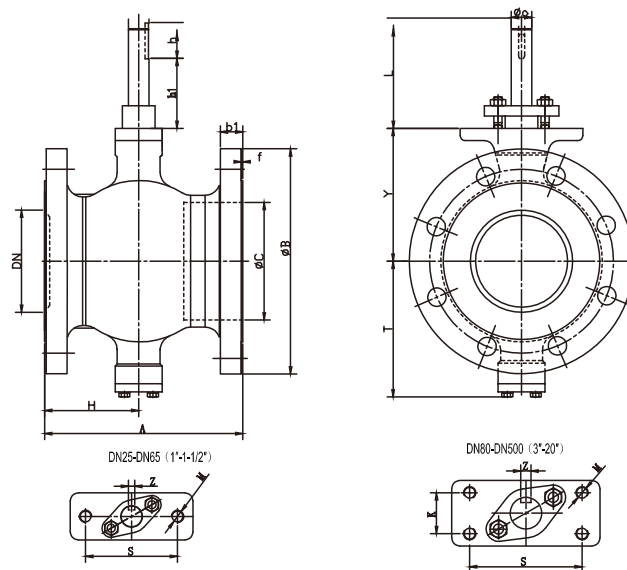
Seat	AISI304 / AISI316 / Stellite
Spring	17-7 PH /AISI316 / Inconel
O-Ring	Graphite
Stem Packing	Nitriding /WC Coating /STL coating
Ball+Hardend treatment	Graphite
Suitable Temperature range	-29 °C/150 °C
Suitable medium	Steam / Solid particles

BIDIRECTIONEL METAL SEAT DESING

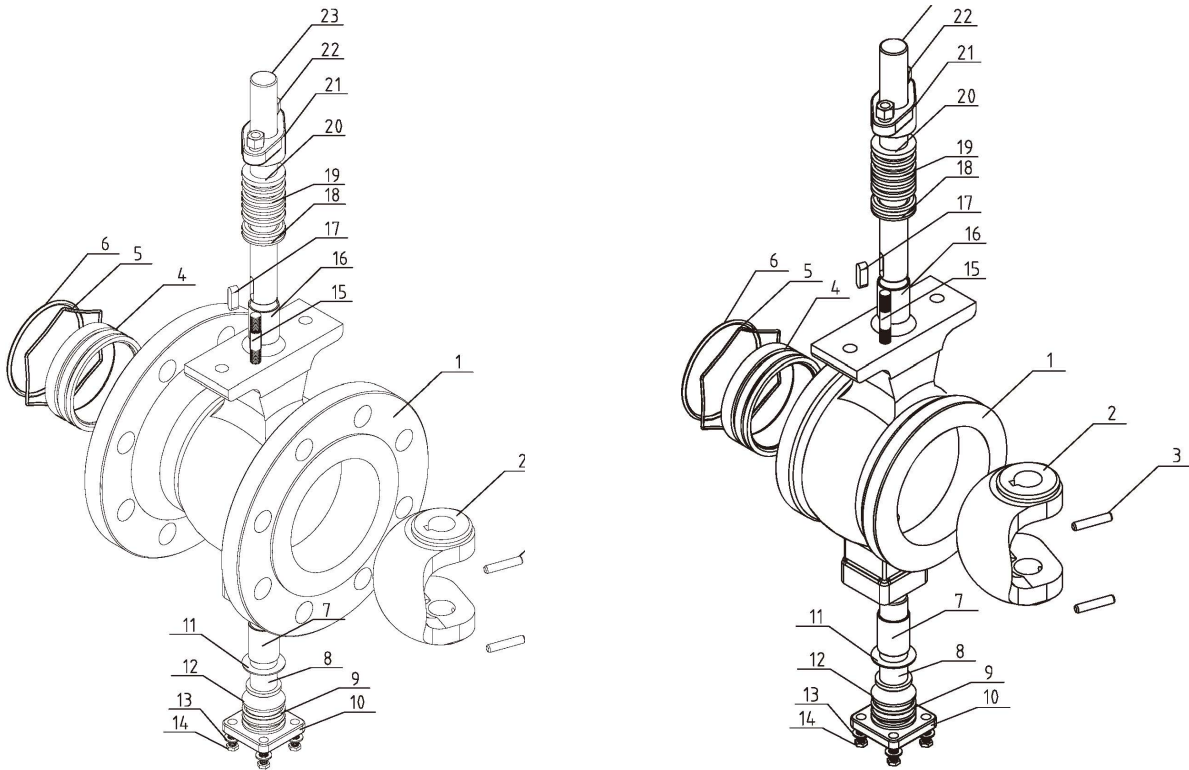
Seat	AISI304 / AISI316 / Stellite
Spring	17-7 PH /AISI316
O-Ring	Viton
Stem Packing	P.T.F.E
Ball+Hardend treatment	Hard chromium palted / Nitriding / WC Coating /STL coating
Suitable Temperature range	-29 °C/150 °C
Suitable medium	Water / Oil / Solid particles /Suspension



DN	A	H	B	C	T	Y	L	L	cd	h	S	K	M	Z
25	50	30	68	38	81	73	97	76	16	35	75	/	2-M10	5
32	60	35	76	45	86	78	93	75	16	35	75	/	2-M10	5
40	60	35	84	50	90	80	95	77	16	35	75	/	2-M10	5
50	75	43	100	62	93	90	98	78	16	35	75	/	2-M10	5
65	100	50	118	73	108	105	98	78	16	35	75	/	2-M10	5
80	100	57	132	93	123	118	105	74	20	35	90	28	4-M10	6
100	115	65	158	115	138	130	103	72	20	35	90	28	4-M10	6
125	129	78	184	134	148	145	102	75	25	40	90	28	4-M10	8
150	160	95	216	164	170	170	119	89	30	50	110	40	4-M12	8
200	200	120	268	206	200	201	122	92	30	50	110	40	4-M12	8
250	240	148	326	260	240	237	144	107	40	50	135	40	4-M16	12



DN	A	H	B	b1	f	C	T	Y	L	L	cd	h	S	K	M	Z
25	102	51	115	16	2	38	81	73	92	76	16	35	75	/	2-M10	5
32	102	51	140	18	2	45	86	78	93	75	16	35	75	/	2-M10	5
40	114	57	150	18	2	50	90	80	95	77	16	35	75	/	2-M10	5
50	124	60	165	20	2	62	93	90	98	78	16	35	75	/	2-M10	5
65	145	70	185	20	2	73	108	105	98	78	16	35	75	/	2-M10	5
80	165	75	200	20	2	93	123	118	105	74	20	35	90	28	4-M10	6
100	194	92	220	22	2	115	138	130	103	72	20	35	90	28	4-M10	6
125	194	97	250	22	2	134	148	145	102	75	25	40	90	28	4-M10	8
150	229	110	285	24	2	164	170	170	119	89	30	50	110	40	4-M12	8
200	243	120	340	24	2	206	200	201	122	92	30	50	110	40	4-M12	8
250	297	148	405	26	2	260	240	237	144	107	40	60	135	40	4-M16	12
300	338	190	460	28	2	316	286	282	148	110	40	60	135	40	4-M16	12
350	400	221	520	30	2	372	330	337	163	125	50	60	140	64	4-M16	14
400	400	220	580	32	2	420	367	372	208	172	60	80	170	80	4-M20	18
450	520	290	640	40	2	470	422	432	240	172	70	90	190	90	4-M24	20
500	600	320	715	44	2	516	490	498	250	180	80	100	190	90	4-M24	22



NO	PARÇA ADI	ADET	MALZEME	MALZEME	MALZEME
1	Body	1	WCB	CF8	CF8M
2	Valve Core	1	CF8+Hard chromium	CF8+Hard chromium	CF8+Hard chromium
3	Parallel Pin	2	AISI304	AISI304	AISI316
4	Seat	1	304+Hard overlaid	304+Hard overlaid	AISI316
5	Spring	1	AISI316	AISI316	AISI316
6	O-Ring	1	Viton	Viton	Viton
7	Self-lubricated bearing	1	AISI304+P.T.F.E	AISI304+P.T.F.E	AISI316+P.T.F.E
8	Lower stem	1	20Cr13	AISI304	AISI316
9	O-Ring	1	Viton	Viton	Viton
10	Lower cover	1	WCB	CF8	CF8M
11	Washer	1	P.T.F.E.	P.T.F.E.	P.T.F.E.
12	Adjusted gasket	1	P.T.F.E.	P.T.F.E.	P.T.F.E.
13	Flat gasket	4	Q235	AISI304	AISI304
14	Screw	4	25	AISI304	AISI304
15	Bolt	2	25	AISI304	AISI304
16	Self-lubricated bearing	1	AISI304+P.T.F.E	AISI304+P.T.F.E	AISI316+P.T.F.E
17	Key	1	20Cr13	AISI304	AISI316
18	Lower stem packing	1	P.T.F.E.	P.T.F.E.	P.T.F.E.
19	Middle stem packing	1 suit	P.T.F.E.	P.T.F.E.	P.T.F.E.
20	Upper stem packing	1	P.T.F.E.	P.T.F.E.	P.T.F.E.
21	Packing gland	1	WCB	CF8	CF8M
22	Nut	2	35	AISI304	AISI304
23	Upper stem	1	20Cr13	AISI304	AISI316