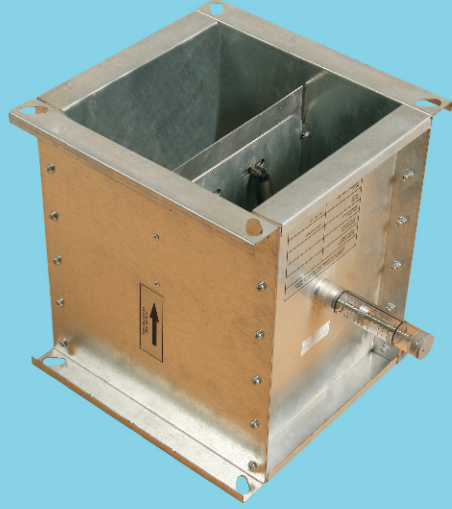




Mekanik Sabit Debi Ayar Damperi

Mechanical Constant Flow Damper



BSK HAVALANDIRMA EKİPMANLARI A.Ş.



MEKANİK SABİT DEBİ AYAR DAMPERİ (BCAV) MECHANICAL CONSTANT FLOW DAMPER

Model:	*BCAV-R : Dairesel kesitli mekanik sabit debi ayar damperi *BCAV-Q : Dikdörtgen kesitli mekanik sabit debi ayar damperi.
Malzeme:	Ürün dış kasası galvaniz sacdan, iç aksamaları ise galvaniz ve alüminyum sacdan imal edilmektedir.
Kullanım:	Mekanik sabit debi ayar damperi bağımsız bir şekilde ve aynı zamanda herhangi bir elektriksel güce bağlı kalmadan debi kontrolü yapmaktadır. Sistemdeki basınç değişimine görfe istenen hava debisini yayla çalışan mekanizmasıyla kendi kendine ayarlamaktadır. Mekanik sabit debi ayar damperleri, havalandırma sistemlerinde mekanlara istenilen taze hava ihtiyacının sabit debide iletilmesinde veya egzoz edilmesinde kullanılırlar. Mekanik olarak kendi kontrolünü kendisi yaparak çalışan sabit debi ayar cihazlarıdır. Herhangi bir servomotor gerektirmeden $\pm 10\%$ sapma oranında sabit debi kontrolü temin etmek üzere kullanılırlar. İstenilen hava debisi, bir alyan anahtar yardımıyla cihaz üzerinden kolaylıkla değiştirilebilir. Dairesel ve dikdörtgen kesitli olarak üretilirler. Mekanik olduğu için motorlu tiplere göre daha ekonomiktir. Minimum 50 Pa ile maksimum 1000 Pa basınç aralığında 2 ile 10 m/s hava hız aralığında kullanılmaktadır.
Sipariş Kodu:	Model / Standart Ölçüler (mm) / Debi (m ³ /h)
Model:	*BCAV-R : Circular section mechanical constant flow damper. *BCAV-Q : Rectangular section mechanical constant flow damper.
Material:	Product external casing is manufactured from galvanized sheet, its internal components are from galvanized and aluminium sheet.
Usage:	Mechanical constant flow damper achieves flow rate control both independently and at the same time without adhering to any electrical power. It adjusts the required air flow rate with its spring operated mechanism according to the pressure change by itself. Mechanical constant flow dampers are used for supply or exhaust of required fresh air with constant flow rate to places in ventilation systems. They are constant flow units which are operating by making its control mechanically by itself. They are used for supplying constant flow rate control at $\pm 10\%$ deviation ratio without requiring any servomotor. The required air flow rate can be changed via an allen wrench on the unit easily. They are produced as with circular and rectangular sections. It is more economic than motorized types due its being mechanical. It is used in pressure range of minimum 50 Pa and maximum 1000 Pa and air velocity range of 2 - 10 m/s.
Order Code:	Model / Standard Dimensions (mm) / Debi (m ³ /h)

Dairesel Kesitli CAV Teknik Özellikleri

Circular Section CAV Technical Properties

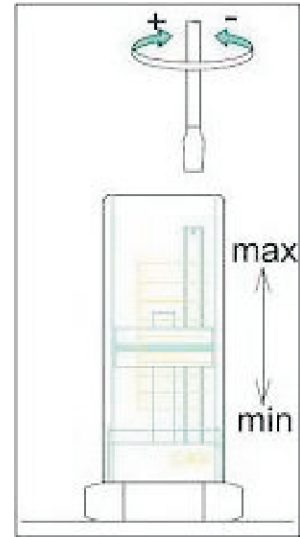
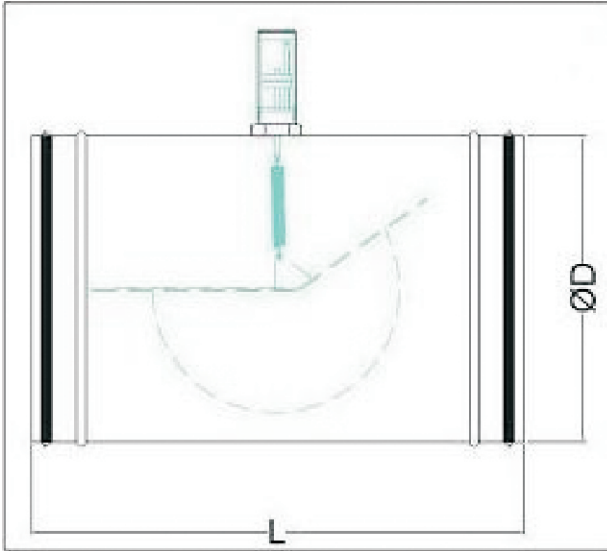
Standart Ölçüler Tablosu

Standard Dimensions Table

Standart ölçüler Standard size ØD(mm)	L (mm)	Debi Flow Rate m³/h
Ø100	240	50-250
Ø125	240	80-400
Ø140	240	100-500
Ø160	240	130-670
Ø200	280	210-1000
Ø250	280	330-1650
Ø315	380	540-2700
Ø355	380	690-3400
Ø400	450	880-4400

Dairesel Kesitli CAV Teknik Detayları

Circular Section CAV Technical Details



ØD (mm) : Dairesel kesitli CAV nominal çapı (Circular section CAV nominal diameter)
L (mm) : Dairesel kesitli CAV boyu (Circular section CAV length)

Dairesel Kesitli CAV Ses Seviyesi Tablosu
Circular Section CAV Sound Level Table

Ebat	Debi	Hız	Ps=100Pa (Lw)									Ps=200Pa (Lw)									Ps=500Pa (Lw)								
Size ØD mm	Flow Rate m³/h	Velocity m/s								NR								NR								NR			
			dB									dB									dB								
100	63	2,2	38	38	36	35	32	30	27	35	44	46	47	47	46	44	41	43	51	53	53	53	53	50	48	50			
	125	4,5	49	45	44	40	40	34	31	40	54	52	51	50	48	46	44	46	59	59	58	56	57	53	50	53			
	200	7,1	53	50	48	46	43	40	37	45	62	59	58	55	52	49	46	50	69	66	63	61	59	56	52	57			
	250	8,8	-	-	-	-	-	-	-	-	65	61	59	57	55	51	48	53	71	68	66	64	61	58	55	59			
125	100	2,2	40	39	38	35	33	31	28	35	48	48	49	49	48	45	42	45	53	55	55	55	54	52	49	52			
	200	4,5	50	47	44	42	39	35	32	40	55	54	53	51	50	47	44	48	61	61	59	58	56	54	51	55			
	315	7,1	55	52	49	46	47	41	38	45	64	62	58	55	53	50	46	52	70	68	64	62	60	57	53	58			
	400	9,1	-	-	-	-	-	-	-	-	66	64	60	58	56	53	50	54	73	69	67	64	63	59	56	61			
140	125	2,3	41	40	38	36	34	31	28	35	48	49	49	49	50	45	42	50	56	56	56	55	57	52	49	55			
	250	4,5	51	47	45	42	40	36	32	40	55	55	53	52	51	48	45	53	63	61	60	58	59	54	52	60			
	400	7,2	56	52	50	48	45	41	38	45	64	62	59	56	54	50	47	56	70	68	66	63	60	57	53	65			
	500	9	-	-	-	-	-	-	-	-	66	63	61	58	56	53	50	60	73	71	68	66	63	60	56	67			
160	160	2,2	42	41	39	36	37	31	28	36	50	51	51	49	49	46	42	50	56	57	58	57	56	53	49	55			
	315	4,4	51	48	45	42	40	36	32	40	56	55	54	53	51	48	45	55	63	62	61	59	57	55	52	60			
	520	7,2	56	54	51	49	46	42	39	45	65	62	60	57	54	51	47	58	71	69	67	64	61	58	54	65			
	710	9,8	-	-	-	-	-	-	-	-	68	65	62	60	58	54	51	60	75	72	69	67	64	61	58	68			
200	250	2,2	44	42	40	38	36	32	29	38	53	53	52	51	52	46	43	50	60	59	59	57	58	53	50	58			
	500	4,4	53	49	46	43	41	37	33	40	58	57	56	54	52	49	46	55	65	64	63	61	59	56	53	60			
	800	7,1	58	54	51	48	48	42	39	45	66	63	60	57	55	51	48	60	73	69	67	64	62	58	55	65			
	1150	10,2	-	-	-	-	-	-	-	-	69	66	64	61	60	56	52	65	76	74	71	69	66	62	59	68			
250	400	2,3	46	44	41	39	39	33	30	40	55	55	54	53	52	47	44	50	61	62	62	59	60	54	50	60			
	800	4,6	54	50	47	44	42	38	34	45	61	59	57	55	56	48	47	55	68	65	64	62	62	57	54	65			
	1250	7,1	58	56	53	50	47	44	40	50	67	65	62	59	56	52	49	60	74	71	69	66	62	59	55	68			
	1800	10,2	-	-	-	-	-	-	-	-	71	68	65	62	62	56	53	65	77	75	72	69	67	63	60	70			
315	600	2,1	47	45	44	39	37	33	30	40	56	55	55	53	53	47	43	55	63	62	62	61	59	55	50	60			
	1200	4,3	54	51	48	45	42	38	34	45	61	58	58	56	54	51	47	58	68	67	65	63	60	57	54	65			
	2000	7,1	59	57	54	50	48	44	40	50	68	66	63	57	59	53	49	60	74	72	69	66	63	59	56	68			
	2800	10	-	-	-	-	-	-	-	-	72	67	66	63	61	57	54	65	78	76	73	70	67	64	60	70			
400	1000	2,2	48	47	44	42	38	34	31	40	59	56	57	55	55	48	44	55	66	63	63	61	60	55	51	63			
	2000	4,4	56	53	49	47	43	38	35	45	63	60	60	57	57	52	49	60	70	69	66	64	62	58	55	65			
	3250	7,2	61	58	56	52	49	45	41	50	70	67	64	61	58	54	50	65	76	74	71	68	64	61	57	70			
	4600	10,2	-	-	-	-	-	-	-	-	72	68	67	64	62	58	55	70	79	77	74	71	69	65	61	73			

ØD (mm) : Dairesel kesitli CAV nominal çapı (Circular section CAV nominal diameter)
 Ps (Pa) : Statik basınç (Statistical pressure)
 Lw (dB) : Ses güç seviyesi (Sound power level)
 NR(dBA) : Ses seviyesi (Sound level)

Dikdörtgen Kesitli CAV Teknik Özellikleri

Rectangular Section CAV Technical Properties

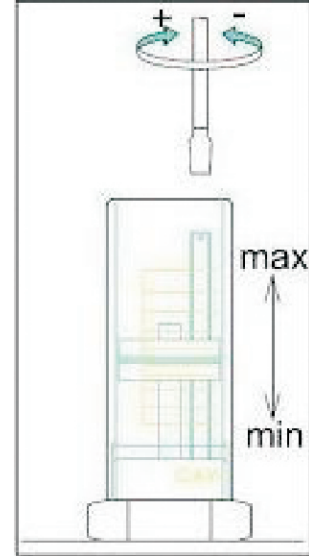
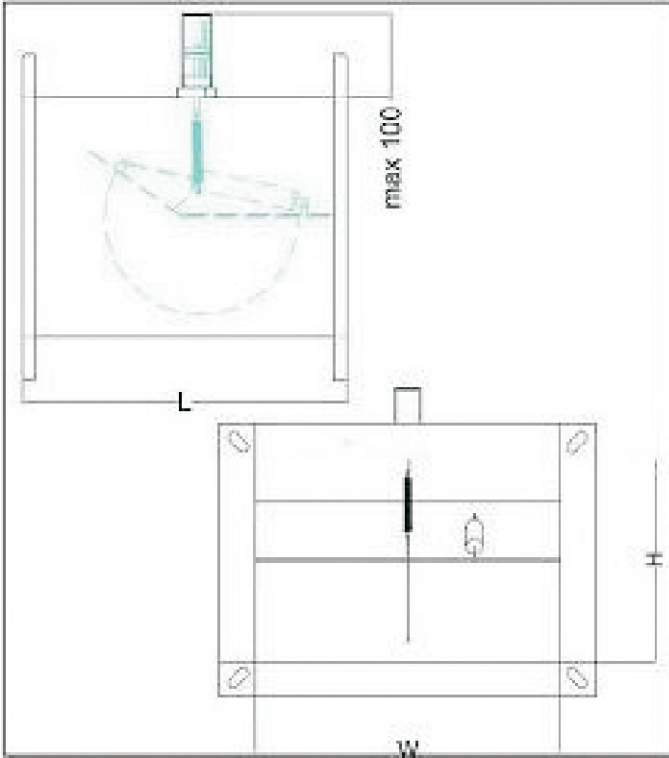
Standart Ölçüler Tablosu

Standard Dimensions Table

Standart ölçüler Standard size W x H(mm)	L (mm)	Debi Flow Rate m³/h
150 x 150	200	150-800
300 x 150	200	300-1400
200 x 200	250	300-1600
300 x 200	250	400-2100
400 x 200	250	550-2800
300 x 300	350	600-3200
450 x 300	350	950-4800
600 x 300	350	1250-6400

Dikdörtgen Kesitli CAV Teknik Detayları

Rectangular Section CAV Technical Details



- W (mm)** : **Dikdörtgen kesitli CAV genişliği** (Rectangular section CAV width)
H (mm) : **Dikdörtgen kesitli CAV yüksekliği** (Rectangular section CAV height)
L (mm) : **Dikdörtgen kesitli CAV uzunluğu** (Circular section CAV length)

Dikdörtgen Kesitli CAV Ses Seviyesi Tablosu
Rectangular Section CAV Sound Level Table

Ebat	Debi	Hız	Ps=100Pa (Lw)										Ps=200Pa (Lw)										Ps=500Pa (Lw)									
Size WxH mm	Flow Rate m³/h	Velocity m/s	125	160	200	250	315	400	500		NR	125	160	200	250	315	400	500		NR	125	160	200	250	315	400	500		NR			
			dB										dB										dB									
150x150	243	3	48	47	45	43	41	39	36	49	56	55	53	51	49	47	44	57	62	61	59	57	55	53	50	63						
	486	6	54	52	51	49	48	45	43	55	61	60	59	57	55	53	51	63	67	66	65	63	62	59	57	69						
	729	9	56	56	54	43	51	49	47	58	64	63	62	61	59	57	55	66	70	69	68	67	65	63	61	72						
300x150	486	3	50	49	47	45	43	40	37	50	58	57	55	53	51	48	45	58	64	63	61	59	57	54	51	64						
	972	6	56	54	53	51	49	47	44	55	64	62	61	59	57	55	52	65	70	68	67	65	63	61	58	70						
	1458	9	59	58	56	55	53	51	48	60	66	66	64	63	61	59	56	68	73	72	70	69	67	65	62	73						
200x200	432	3	50	49	47	45	43	40	37	50	58	57	55	53	51	48	45	48	64	63	61	59	57	54	51	64						
	864	6	56	54	53	51	49	47	44	57	64	62	61	59	57	55	52	65	70	68	67	65	63	61	58	71						
	1296	9	59	58	56	55	53	51	48	60	66	66	64	63	61	59	56	58	73	72	70	69	67	65	62	74						
300x200	648	3	52	50	48	46	44	41	38	51	60	58	56	54	52	49	46	59	66	64	62	60	58	55	52	65						
	1269	6	57	56	54	52	50	48	45	58	65	64	62	60	58	56	53	66	71	70	68	66	64	62	59	72						
	1944	9	60	59	57	56	54	52	49	61	68	67	65	64	62	59	57	69	74	73	71	70	68	65	63	75						
400x200	864	3	52	51	49	47	44	41	38	52	60	59	57	55	52	49	46	60	66	65	63	61	58	55	52	66						
	1728	6	58	56	55	53	51	48	45	58	66	64	63	61	59	56	53	66	72	70	69	67	65	62	59	72						
	2592	9	61	60	58	56	54	52	49	62	69	68	66	64	62	60	57	70	75	74	72	70	68	66	63	76						
300x300	972	3	53	51	49	47	45	42	39	53	61	59	57	55	53	50	47	61	67	65	63	61	59	56	53	67						
	1944	6	58	57	56	54	51	49	46	59	66	65	63	62	59	57	54	67	72	71	69	68	65	63	60	73						
	2916	9	62	60	59	57	55	53	50	63	69	68	67	65	63	61	58	71	75	74	73	71	69	67	64	77						
450x300	1458	3	54	53	50	48	46	43	39	54	62	60	58	56	53	51	47	62	68	67	64	62	59	57	53	68						
	2916	6	60	58	57	55	52	50	47	60	68	66	65	63	60	58	55	68	74	72	71	69	66	64	61	74						
	4374	9	63	62	60	58	56	54	51	64	71	70	68	66	64	62	59	72	78	76	74	72	70	68	65	78						
600x300	1944	3	55	53	51	49	46	43	40	54	63	61	59	57	54	51	48	62	69	67	65	63	60	57	54	68						
	3888	6	60	59	57	55	53	50	47	61	68	67	65	63	61	58	55	69	74	73	71	69	67	64	61	75						
	5832	9	64	62	61	59	57	54	51	64	72	70	69	67	65	62	59	72	78	76	75	73	71	68	65	78						

W (mm) : Dikdörtgen kesitli CAV genişliği (Rectangular section CAV width)
H (mm) : Dikdörtgen kesitli CAV yüksekliği (Rectangular section CAV height)
P_s (Pa) : Statik basınç (Statical pressure)
L_w (dB) : Ses güç seviyesi (Sound power level)
NR(dBA) : Ses seviyesi (Sound level)

Mekanik Sabit Debi Damperi Sipariş Kodu

Mechanical Constant Flow Damper Order Code

	Model Model	Standart Ölçü Standard Dimension	Debi (m ³ /h) Flow Rate
	BCAV-R	ØD (mm)	500
BCAV-R	DAİRESEL KESİTLİ MEKANİK SABİT DEBİ AYAR DAMPERİ CIRCULAR SECTION MECHANICAL CONSTANT FLOW DAMPER	*Standart ölçüler için 3. ve 5. sayfalara bakınız. *Look at pages 3 and 5 for standard dimensions.	
BCAV-Q	DİKDÖRTGEN KESİTLİ MEKANİK SABİT DEBİ AYAR DAMPERİ RECTANGULAR SECTION MECHANICAL CONSTANT FLOW DAMPER		

Örnek Sipariş Kodu :
Sample Order Code:

Model Model	Standart Ölçüler Standard Dimensions	Debi (m ³ /h) Flow Rate
BCAV-R	ØD (mm) [Ø200 (mm)]	500

Bu föy sürekli olarak güncellenmektedir.
Dolayısıyla, teknik değişiklikler ve adaptasyonlar mümkündür!
Uygulamanızı birlikte belirleyebilmemiz için lütfen bizimle iletişim
kurunuz!

This booklet is updated constantly.
 Therefore, technical changes and adaptations are possible!
 Please contact us, in order to define your application together!



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