

► BS SERİSİ ÇEK VALFLER

BS SERIES CHECK VALVES

► BS serisi çek valfler tek yönde serbest akışa izin verir ve karşı yöndeki akışı engellerler.

BS series check valves allow free flow in one direction and block flow in the counter direction.



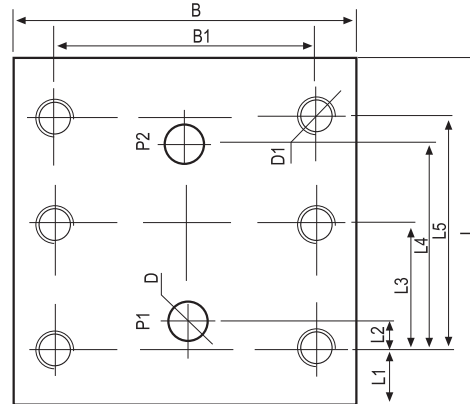
Model	BS 10 A 1 / 2 *	Daha fazla bilgi For further details
Ölçü için aşağıdaki tabloya bakınız See the table below for size		Kod yok : Inch dişli 2 : Metrik dişli No code : Inch thread 2 : Metric thread
A : Dişli - hatta bağlantılı P : Pleyt bağlantılı (10, 20, 30 ölçüler için) A : Threaded in-line connection P : Subplate mounting (only for Size 10, 20, 30)		Açma basıncı 1 : 0,5 Bar 2 : 1,5 Bar 3 : 3 Bar 5 : 5 Bar Cracking pressure 1 : 0,5 Bar 2 : 1,5 Bar 3 : 3 Bar 5 : 5 Bar

Teknik Bilgi / Technical Data

Ölçü / Size		6	8	10	15	20	25	30
Diş Bağlantısı Threaded connection	Inch	G1/4"	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"
	Metric	M14x1,5	M18x1,5	M22x1,5	M27x2	M33x2	M42x2	M48x2
Anma debisi / Rated flow (L/min)		15	30	50	120	200	300	400
Mak. çalışma Basıncı / Max. operating pressure (Bar)		315						
Genişlik / (S) Distance across width		19	24	30	36	45	60	63
Uzunluk / (L) Length		58	58	72	85	98	120	132

► BS Pleyt Bağlantı Ölçüleri

BS Subplate Dimensions



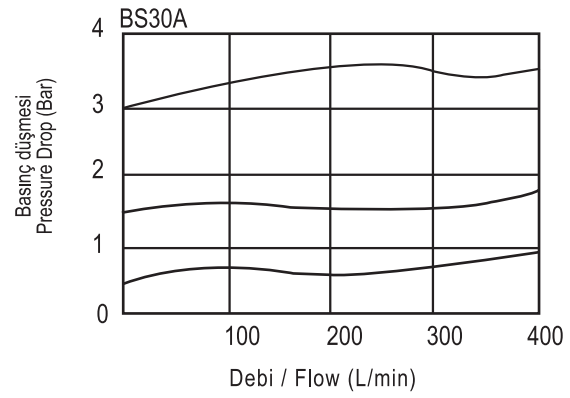
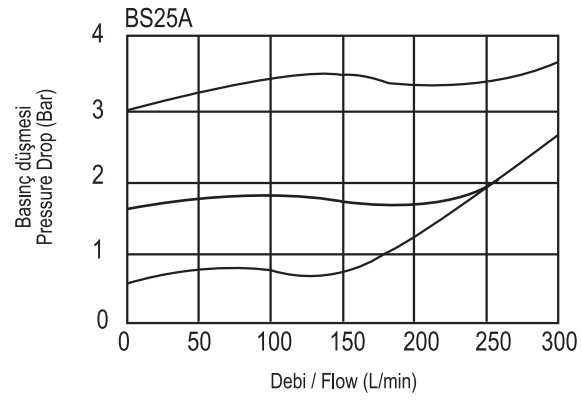
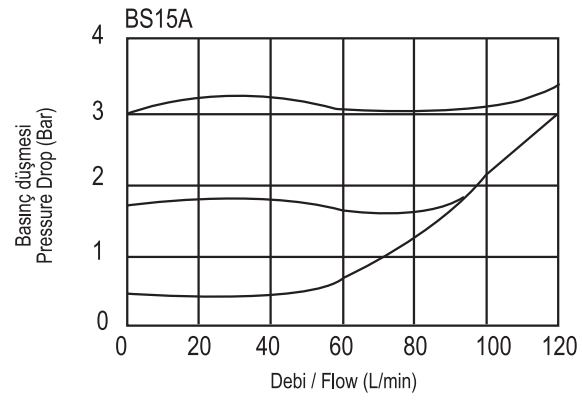
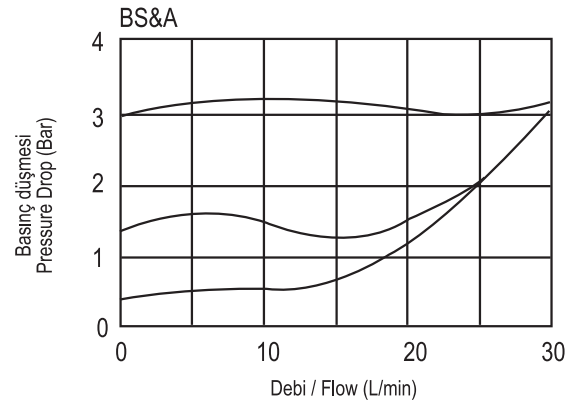
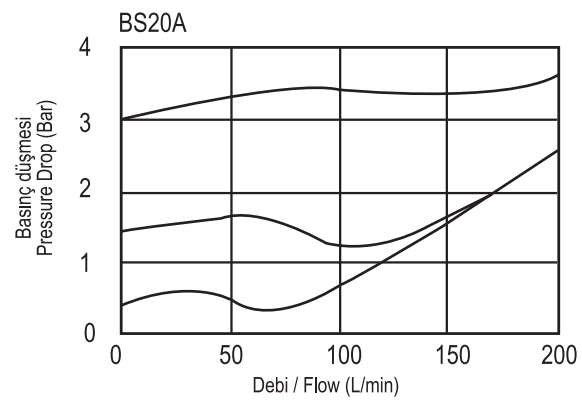
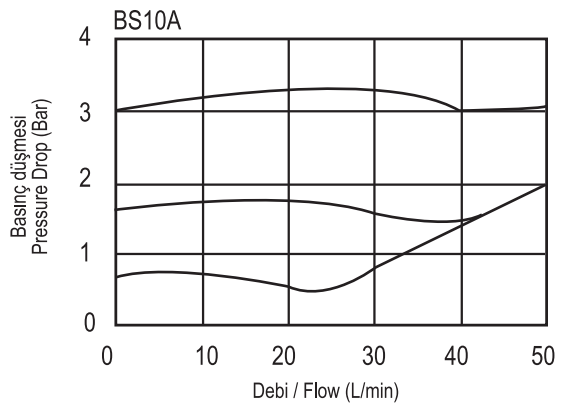
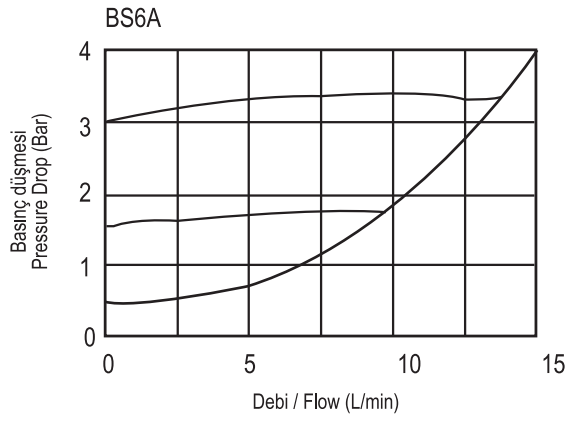
Ölçü / Size	B	B1	L	L1	L2	L3	L4	L5	D	D1
10	87	66,7	90	23,5	7,2	-	35,8	42,9	11	4-M10 20
20	110	79,4	120	23,4	11,1	-	49,2	60,3	22	4-M10 20
30	128	96,8	148	27,8	16,7	42,1	67,5	84,2	28	6-M10 20

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DIRECTIONAL CONTROL VALVES

► BS Çalışma Eğrileri

BS Operating Curves



► BRVP SERİSİ ÇEK VALFLER

BRVP SERIES CHECK VALVES

- BRVP serisi çek valfler tek yönde serbest akışa izin verir ve ters yöndeki akışı engellerler. Valf pleyt montajlıdır.

BRVP series check valves allow in one flow in one direction and block flow in the counter direction. The valve connection is subplate mounting.



Daha fazla bilgi

For further details

Seri Numarası

Series Number

Model **BRV P 10 * 10 / ***

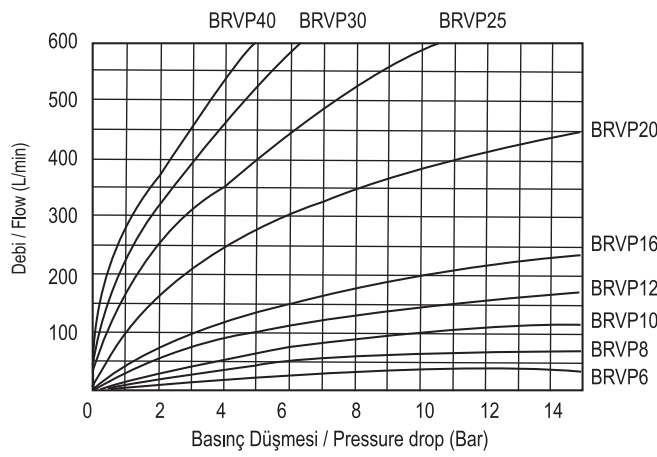
P : Pleyt bağlantısı
P = Subplate mounting

Ölçü / Size : 6, 8, 10, 12, 16, 20, 25, 30, 40

Ölçü / Size	6	8	10	12	16	20	25	30	40	Mak. çalışma basıncı Max. operating pressure	Açma basıncı Cracking pressure
Anma Debisi / Rated flow (L/min.)	15	30	50	80	100	200	300	380	460	315	0,5

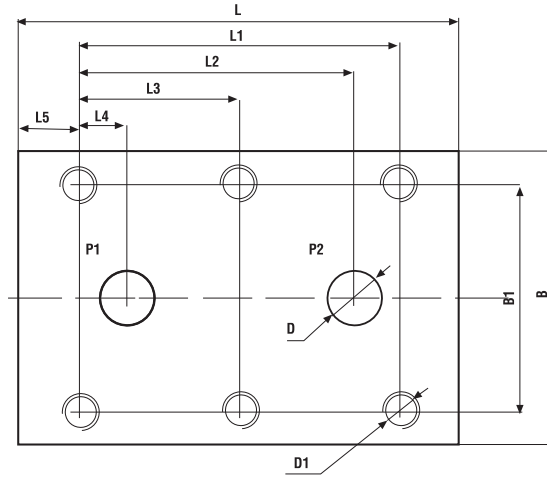
► BRP Çalışma Eğrileri

BRP Operating Curves



► BRP Pleyt Montaj Ölçüleri

BRP Installation Dimensions



Model	B	B1	L	L1	L2	L3	L4	L5	D	D1
BRVP6	41,5	28,5	41,5	19	17,6	-	1,6	6,4	2-ø5	4-M6
BRVP8	46	33,5	63,5	35	30	-	4,5	14,2	2-ø7	4-M6
BRVP10	51	38	70	33,5	29,5	-	4	18	2-ø10	4-M6
BRVP12	57,5	44,5	80	38	34	-	4	21	2-ø13	4-M6
BRVP16	70	54	104	76	65,4	38	11,4	14	2-ø17	6-M8
BRVP20	76,5	60	127	95	76	47,5	19	16	2-ø22	6-M8
BRVP25	100	76	165	120	100,1	60	20,6	15	2-ø28,5	6-M10
BRVP30	115	92	186	143	118,8	71,5	23,8	15	2-ø35	6-M12
BRVP40	140	111	192	133,5	114,5	67	25,5	16	2-ø47,5	6-M12

► BSV/BSL SERİSİ PİLOT UYARILI ÇEK VALFLER

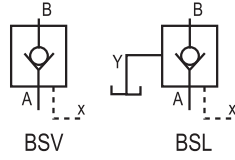
BSV/BSL SERIES PILOT OPERATED CHECK VALVES

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DIRECTIONAL CONTROL VALVES

- Normalde direk uyarılı çek valfler tek yöndeki akışa izin verirken ters yöndeki akışı engellerler. Fakat BSV/BSL tip pilot uyarılı çek valfler ters yöndeki akışa X pilot hattı bağlantıdayken izin verirler. BSV tip çek valfte Y hattı kapalı iken pilot yağı içten döner. BSL tip çek valf ise Y hattına sahiptir ve pilot yağı Y hattından döner.

Normally pilot operated check valves allow free flow in one direction and block flow in the counter direction. But, BSV/BSL type pilot operated check valves allow to flow in the counter direction when the X pilot port is connected. The Y port is closed of the BSV type valves and the pilot oil return is internally. But BSL type valve has got a X port and the pilot oil return is from Y port.



BSV 10 P A 1 - 30 / 2 V *

V : İçten pilot yağı dönüşü (akış hatsız)
L : Dıştan pilot yağı dönüşü (akış hatlı)

V : Internally drained (without drain port)
L : Externally drained (with drain port)

Ölçü için aşağıdaki tabloya bakınız.
See the table below for size

P : Pleyt bağlantılı (10, 20, 30 ölçüleri için)
G : Dişli bağlantı

P : Subplate mounting (Only for size 10, 20, 30)
G : Threaded connection

A : Pilot tip
B : Direk tip

A : Pilot type
B : Direct type

Açma basıncı (Bar) 1 : 3 2 : 5 3 : 8

Cracking pressure (Bar) 1 : 3 2 : 5 3 : 8

Daha fazla bilgi
For further details

Kod yok : NBR Keçe petrol yağı için
V : FPM Keçe fosfat için

No code : NBR Seals for petroleum oils
V : FPM Seals for phosphate ester

Kod yok : İnch dişli
2 : Metrik dişli

No code : Inch thread
2 : Metric thread

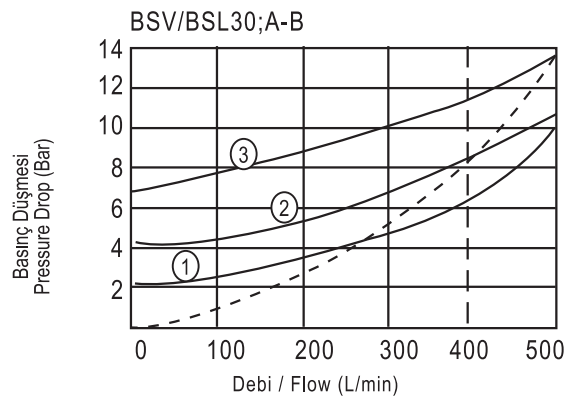
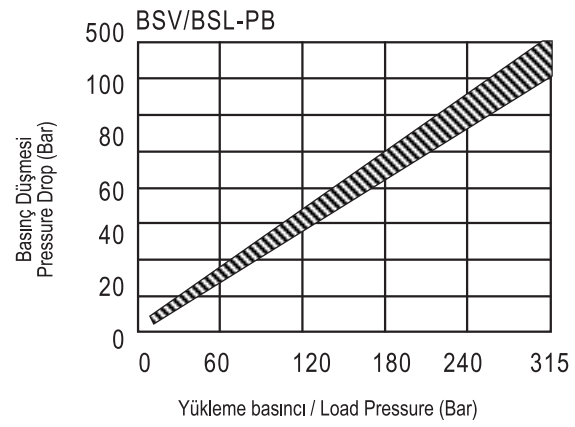
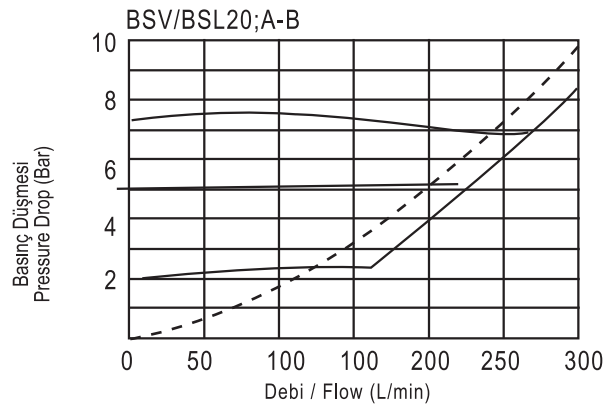
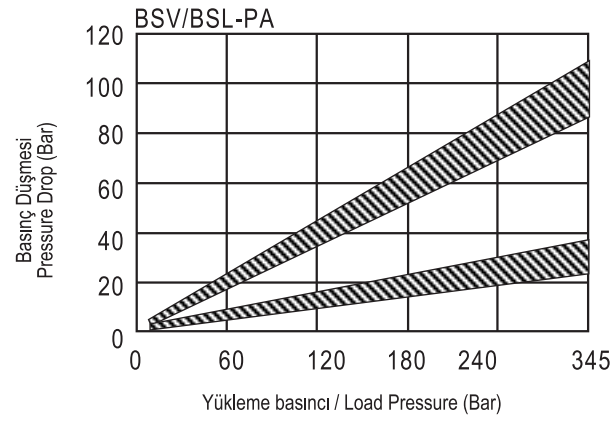
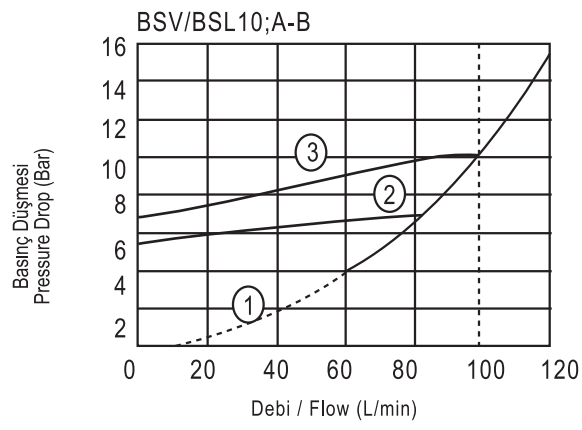
Seri Numarası
Series Number

Teknik Bilgi / Technical Data

Ölçü / Size	BSV10	BSV20	BSL20	BSV30	BSL30
X hattı pilot hacmi / Port X, pilot volume (cm ³)	2,2	8,7		17,5	
Y hattı, hacmi / Port Y volume (cm ³)	-	1,9	7,7	-	15,8
Akış yönü / Direction of flow	A pilot uyarısı açıkken; A'dan B'ye ve B'den A'ya serbest akış / Free Flow A to B; B to A when piloted open				
Çalışma basıncı / Operating pressure (Bar)	315		BSL10		
Pilot kontrol basınç aralığı / Pilot control pressure range (Bar)	5 - 315				
Mak. debi / Max. flow rate (L/min)	80	150		300	

► BSV/BSL Basınç Düşmesi & Debi Eğrileri

BSV/BSL Pressure Drop & Flow Curves

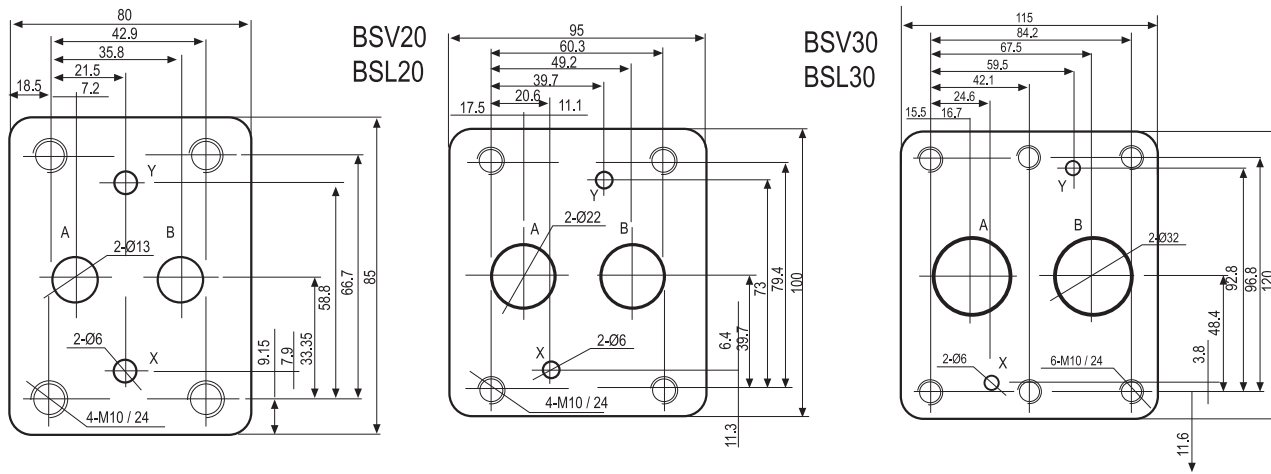


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DIRECTIONAL CONTROL VALVES

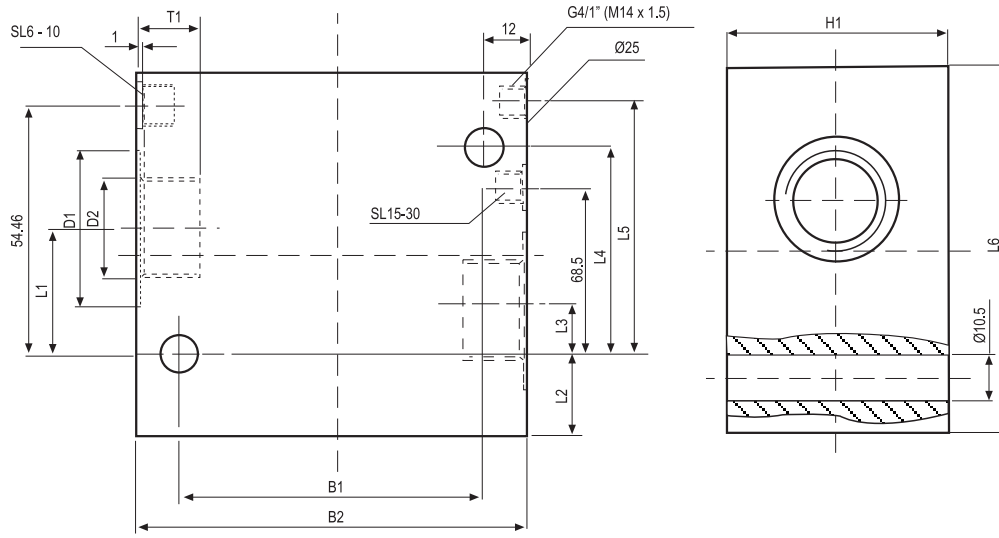
► BSV/BSL Pleyte Bağlantı Ölçüleri

BSV/BSL Subplate Mounting Dimensions



► BSV/BSL Dişli Bağlantı Ölçüleri

BSV/BSL Threaded Connection Dimensions



		B1	B2	D1	D2	T1	H1	L1	L2	L3	L4	L5	L6
	10	66,5	85	34	G1/2" M22x1,5	14	42	27,5	18,5	10,5	33,5	49	80
	15	79,5	100	42	G3/4" M27x2	16	57	36,7	17,3	13,3	50,5	67,5	95
	20	79,5	100	47	G1" M33x2	18	57	36,7	17,3	13,3	50,5	67,5	95
	25	97	120	56	G1 1/4" M42x2	20	75	54,5	15,5	20,5	73,5	89,5	115
BSV	30	97	120	61	G1 1/2" M48x2	22	75	54,5	15,5	20,5	73,5	89,5	115
	10	66,5	85	34	G1/2" M22x1,5	14	42	22,5	18,5	10,5	33,5	49	80
	15	79,5	100	42	G3/4" M27x2	16	57	30,5	17,5	13	50,5	72,5	100
	20	79,5	100	47	G1" M33x2	18	57	30,5	17,5	13	50,5	72,5	100
	25	97	120	56	G1 1/4" M42x2	20	75	54,5	15,5	20,5	84	99,5	125
BSL	30	97	120	61	G1 1/2" M48x2	22	75	54,5	15,5	20,5	84	99,5	125

► BC B4W SERİSİ SELENOİD KUMANDALI YÖN KONTROL VALFLERİ

BC B4W SERIES SOLENOID OPERATED DIRECTIONAL CONTROL VALVES

- BC B4W6 ve BC B4W10 serileri yön kontrol valfleri direk uyarılı tip sürgülü selenoid kumandalı valflerdir. Başlatma, durdurma ve yağın akış yönünü değiştirmede kullanılırlar.

BC B4W6 and BC B4W10 series directional control valves are solenoid operated directional spool valves, these valves are used to the start, stop and direction of oil flow.



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DIRECTIONAL CONTROL VALVES

<p>BC B4W</p> <p>3 : 3 - yol 4 : 4 - yol 3 : 3 - way 4 : 4 - way</p> <p>Ölçü / Size 6, 10</p> <p>Sürgü tipi Spool type</p> <p>Model / Series 50 : 50 60 : 60 Elektrik bobinleri dış bağlantılı 50 = 50 60 = 60 Solenoid coils with thread connection</p> <p>Kod yok : Yay geri dönüşlü O : Yay geri dönüşsüz OF : Yay geri dönüşsüz, detentli</p> <p><i>No code : With spring return O : Without spring return OF : Without spring return, with detent</i></p> <p>Voltaj seçenekleri / Voltage Alternatives G24 : DC 24V; W220 : AC 220W; W110 : AC 110V</p>	<p>6 E 60/ O AG24 N Z4 / B0,8 V *</p> <p>Daha fazla bilgi <i>For further details</i></p> <p>Kod yok : NBR keçe petrol yağları için V : FPM keçe fosfat ester için <i>No code : NBR seals for petroleum oils V : FPM seals for phosphate ester</i></p> <p>Kod yok : Orifis bağlantısız B08 : Orifis ölçüsü 0.8 mm B10 : Orifis ölçüsü 1.0 mm B12 : Orifis ölçüsü 1.2 mm <i>No code : Without orifice insert B08 : Orifice size 0.8 mm. B10 : Orifice size 1.0 mm B12 : Orifice size 1.2 mm</i></p> <p>Z4 : Kare soket J5 : Kablolu soket Z5L : Büyük ışıklı soket <i>Z4 : Quadrate plug J5 : Wire box Z5L : Large quadrate plug with light</i></p> <p>Kod yok : Manuel sınırlamasız N : Manuel sınırlamalı <i>No code : Without manual override N : With manual override</i></p>
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Teknik Bilgi / Technical Data

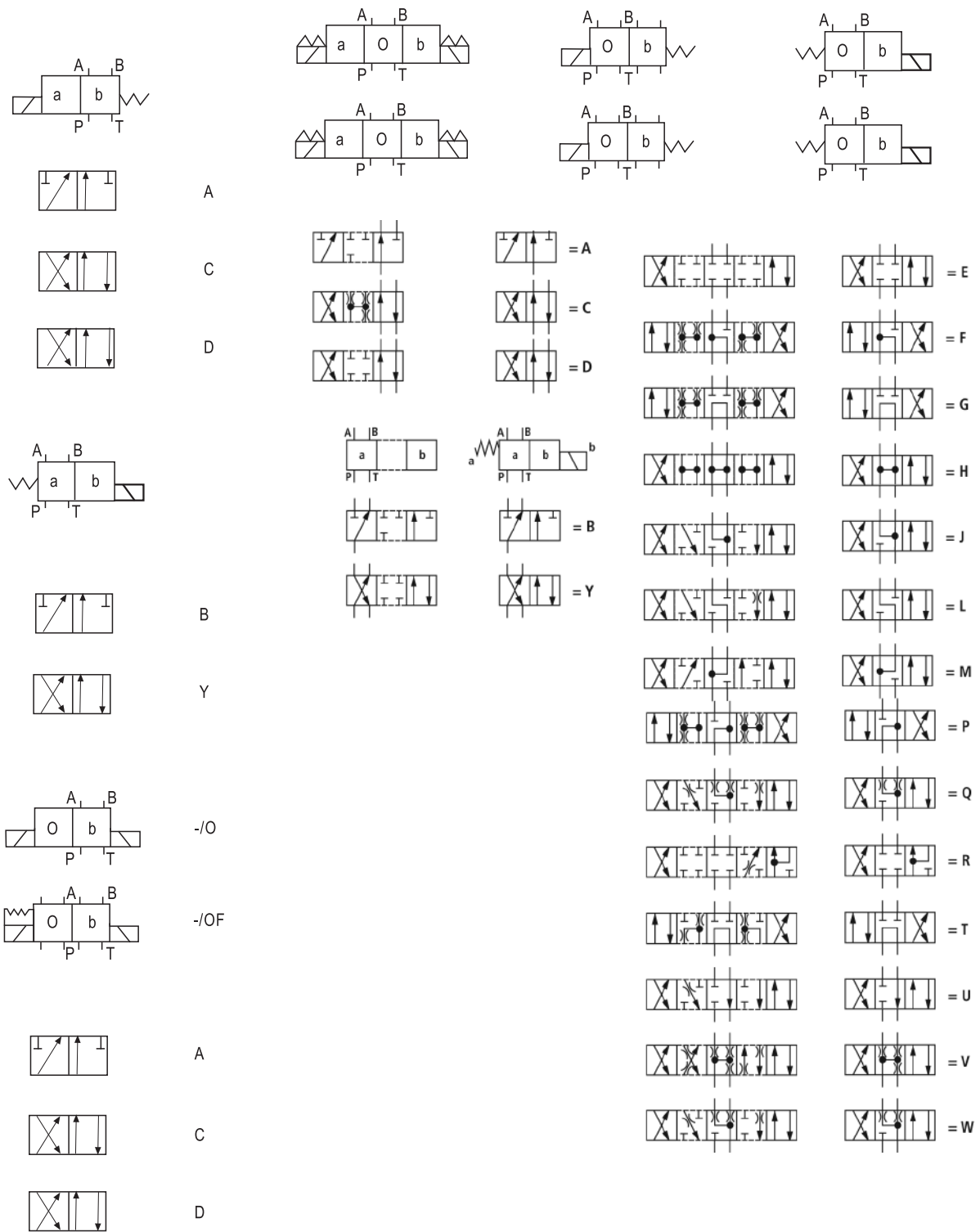
Ölçü / Size	6	10
Debi / Max. flow rate (L/min.)	60	120
Çalışma basıncı / Operating pressure (Bar)	ABP hattı 315 / ABP oil port 315	ABP hattı 315 / ABP oil port 315
	T hattı 160 / T oil port 160	T hattı 160 / T oil port 160

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► BC B4W6 / 10 Serisi Sürgü Sembolleri

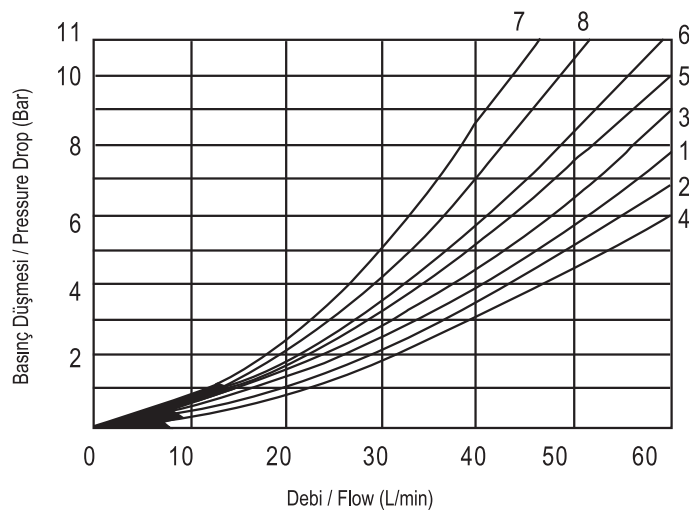
BC B4W6 / 10 Spool Symbols

2 DIRECTIONAL CONTROL VALVES



► BC B4W6 Basınç Düşmesi & Debi Eğrisi

BC B4W6 Pressure Drop & Flow Curve

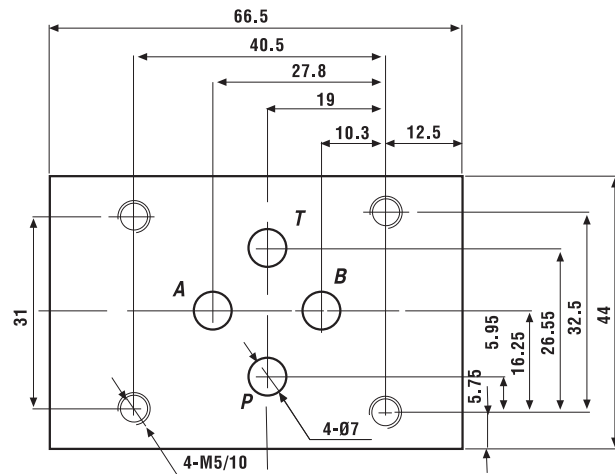


Sürgü Sembolleri Spool symbols	Akış yönü / Flow direction			
	P-A	P-B	A-T	B-T
A	3	3		
B	3	3		
C	1	1	3	1
D	5	5	3	3
E	3	3	1	1
F	2	3	3	5
G	5	3	6	6
H	2	4	2	2
J	1	1	2	1
L	1	1	2	2
M	2	4	3	3
P	2	3	3	5
Q	1	1	2	1
R	5	5	4	
T		3	6	6
U	3	1	3	3
V	1	2	1	1
W	1	1	2	
Y	5	5	3	3

7. noktada "R" sürgüsü "B" pozisyonunda akış A-B
Point 7 is "R" spool on the "B" position, flow A-B
8. noktada "G" sürgüsü orta pozisyonunda akış P-T
Point 8 is "G" spool in the middle position, flow P-T

► BC B4W6 Montaj Ölçüleri

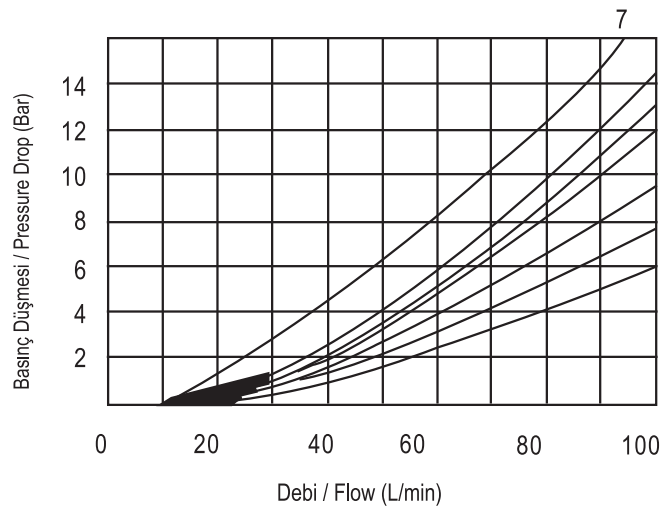
BC B4W6 Installation Dimensions



BZ1S6, BZ2S6, BZ2FS6, BZDB6, BZ2DB6, BZDR6
aynı montaj ölçülerine sahiptir.
BZ1S6, BZ2S6, BZ2FS6, BZDB6, BZ2DB6, BZDR6
Installations are same with.

► BC B4W10 Basınç Düşmesi & Debi Eğrisi

BC B4W10 Pressure Drop & Flow Curves

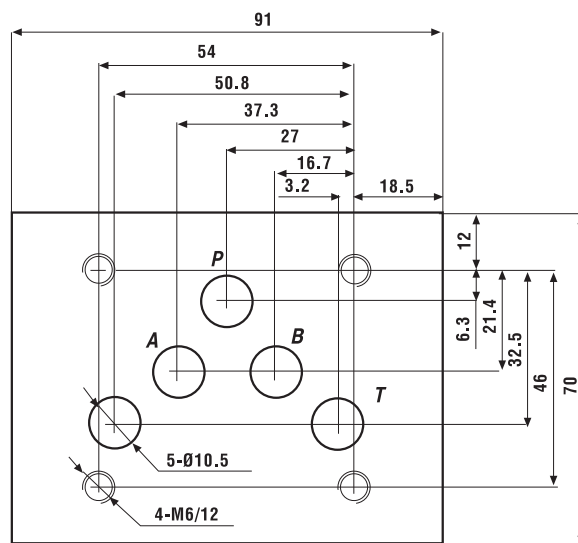


Sürgü Sembolleri Spool symbols	Akış yönü / Flow direction			
	P-A	P-B	A-T	B-T
A, B	2	2		
C, D, Y, J	2	2	3	3
E, Q, V	2	2	4	4
F	2	3	3	5
G	3	3	4	6
H	1	1	4	5
L, U	2	2	3	5
M	1	1	5	5
P	3	2	5	3
R	2	4	3	
T	3	5	5	6
W	2	2	5	5

7. noktada "R" sürgüsü "B" pozisyonunda akış A-B
Point 7 is "R" spool on the "B" position, flow A-B
4. noktada "G" sürgüsü orta pozisyonda akış P-T
Point 4 is "G" spool in the middle position, flow P-T

► BC B4W10 Montaj Ölçüleri

BC B4W10 Installation Dimensions



BZ1S10, BZ2S10, BZ2FS10, BZDB10, BZ2DB10, BZDR10 aynı montaj ölçülerine sahiptir.
BZ1S10, BZ2S10, BZ2FS10, BZDB10, BZ2DB10, BZDR10 Installations are same with.

** Sürgü çeşitleri için lütfen 32. sayfaya bakınız.
** Please see the page 32 for spool symbols.