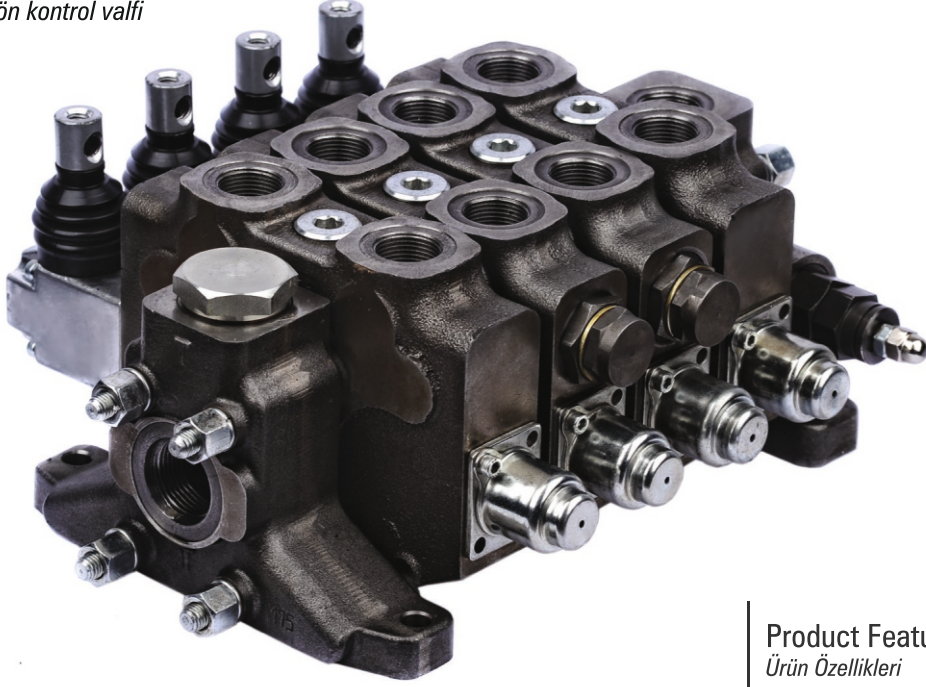


KV 20

sectional directional control valve
dilimli hidrolik yön kontrol valfi



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General Specifications

Genel Özellikler

Product Features

KV20 is robust control valve for 150lpm nominal flow rate and up to 315 bar working pressure.
The valve is designed for high performance for open and closed center hydraulic systems.

Accessories

Valve is equipped with an adjustable main relief valve
Available in parallel (in standard), series, tandem circuit
Load Hold Check valves in each section
Auxiliary Valves
Wide range of spool options
Interchangeable Ø19 mm Spools
Carry-over and closed center option
Load Sense Option

Controls

Manual, Pneumatic, Electro-Pneumatic, Hydraulic, Electro-Hydraulic, Inlet proportional, Mechanical Joystick and Remote Cable Control

Özellikler

KV20 serisi 150 lt/dk ve 315bar'a kadar maksimum performansı gösteren, gelişmiş özellikleriyle birçok mobil uygulama için ideal kontrol kumandasıdır.

Aksesuarlar

Ayarlanabilir Ana Emniyet Valfi
Paralel, Seri, Tandem Devre İmkânı
Her Dilimde Tutma Valfleri
Yardımcı Valfler
Çeşitli Sürgü Tipleri
Değiştirilebilir Ø19 mm Sürgüler
Carry-over ve Kapalı Merkez İmkânı
LS Opsiyonu

Kontrol

Manuel, Pnömatik, Elektro-Pnömatik, Hidrolik, Elektro-Hidrolik, Giriş Oransal, Mekanik Joystik, Halat Kontrol

Standard Material Specifications Standard Malzeme Özellikleri

High Resistance Cast Iron Body Döküm Gövde
Hard Chromium Plated Interchangeable Spools Sertleştirilmiş Krom Kaplama Sürgüler
Steel spring caps Çelik Yay Kapakları
Aluminium Lever Caps Alüminyum Sap Kapakları
NBR Seals NBR Sızdırmazlık Elemanları

Working Conditions Çalışma Şartları

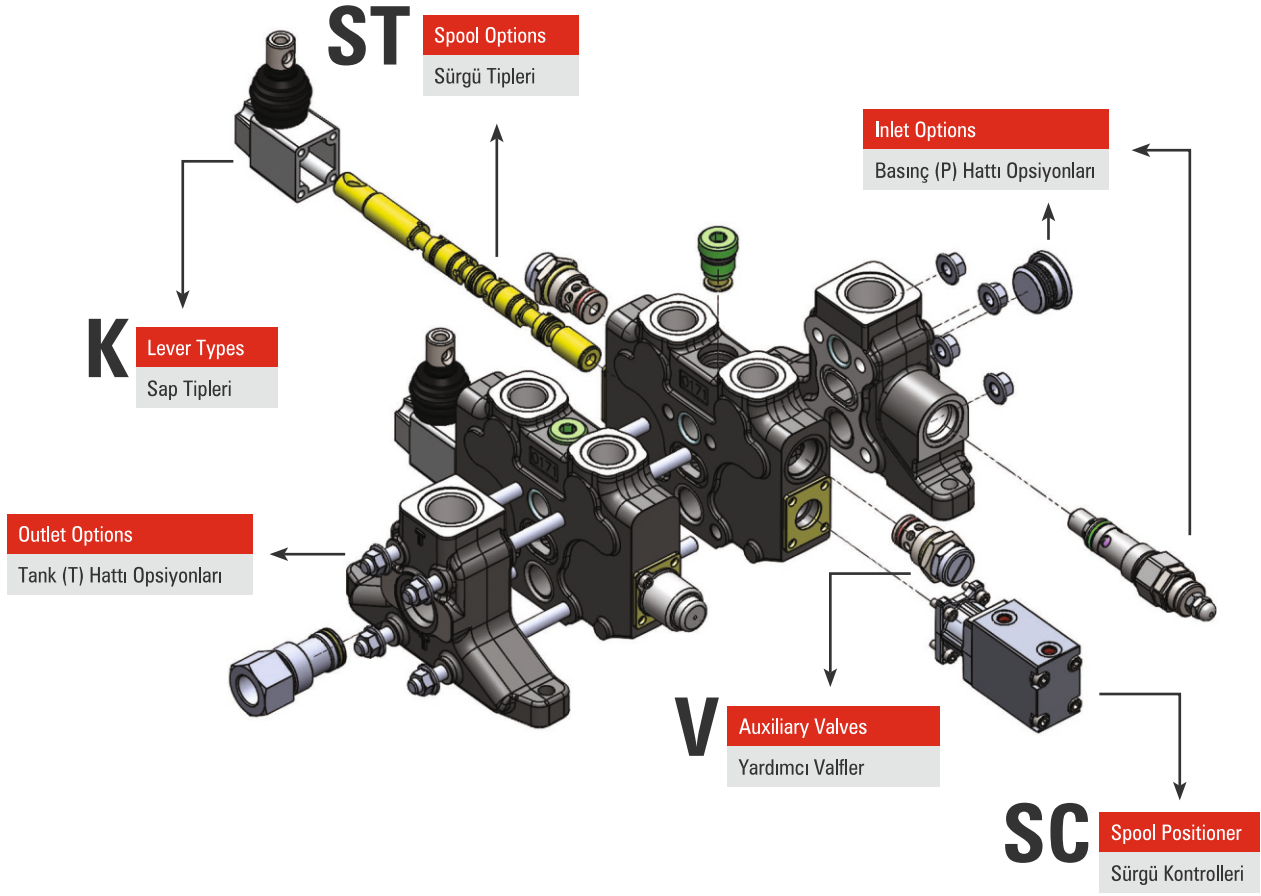
Recommended Oil Viscosity Range Önerilen Yağ Viskozite Aralığı	10 cSt to 75 cSt
Recommended Oil Filtering Önerilen Yağ Filtrasyonu	B 10 ≥ 75
Recommended Fluid Temperature Range Önerilen Çalışma Sıcaklığı (°C)	-20 to +80
Environmental Temperature Range Önerilen Ortam Sıcaklığı (°C)	-35 to +60
Maximum Contamination Level Maksimum Kirlilik Seviyesi	Class 10 (NAS 1638) 19/16 (ISO 4406)

Technical Specifications Teknik Özellikler

Nominal Flow Debi	150 lpm	40 US gpm
Number of Spools Dilim Sayısı	1 - 9	
Maximum Working Pressure Maksimum Çalışma Basıncı	315 bar 250 bar in Series Circuit	4600 psi 3600 psi in Series Circuit
Maximum Back Pressure Maksimum Tank Hattı Basıncı	30 bar	430 psi
Internal Leakage İç Kaçak Değeri	4 cc - 9 cc (100 Bar; 32 cSt, 40 °C)	0,24 - 0,54 in ³ /m (1450 psi; 32 cSt, 104°F)

Order Coding

Sipariş Kodlama



KV202 / C-R(180) / C SC15 ST11 V13 K1 / C SC1 ST1 K1 / D - H

1 2 3 4

1

Valve Type Valf Tipi

KV20 Valve Series Valf Serisi
2 Number of Spools Sürgü Sayısı

2

Inlet Options Pompa (P) Hattı Opsiyonları

C Port Thread Port ölçüleri
R Main Relief Valve Ana Emniyet Valfi
180 Pressure Setting Basınç Değeri

3

Working Section Dilim

C Port Thread Port ölçüleri
SC15 Spool Positioners Sürgü Kontrolleri
ST11 Spool Options Sürgü Tipleri
V13 Auxiliary Valves Yardımcı Valfler
K1 Lever Types Sap Tipleri

4

Outlet Options Tank (T) Hattı Opsiyonları

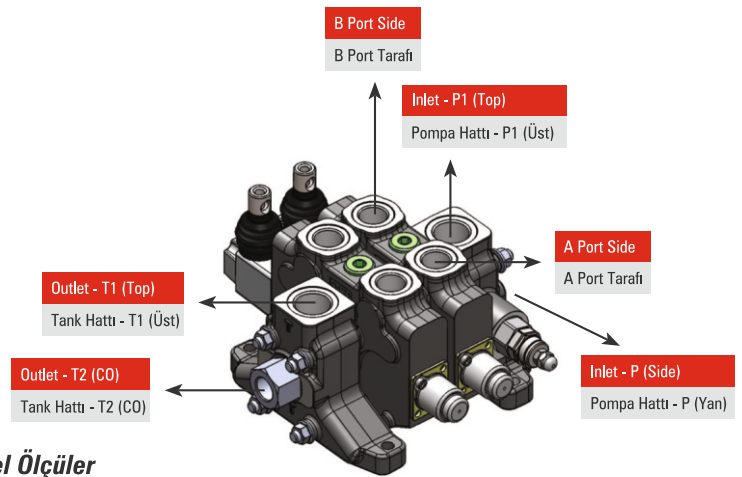
D Port Thread Port ölçüleri
H Outlet Options Tank Hattı Opsiyonları

This part must be coded separately for each working section. If adjacent sections are identical then code the first section and put number of identical sections with a cross. Example for 3 identical sections; KV204/C-R(180)/CSC1ST1V7(A160B160)K1/3XCSC4ST1V1(A140B150)K3/D-H

Bu bölümdeki kodlama her dilim için ayrı ayrı yapılmalıdır. Eğer birbirini takip eden ve aynı konfigürasyona sahip dilim isteniyorsa, aynı dilimler, dilim sayısı başa getirilip yanına çarpı konacak şekilde kodlanabilir. Örnek Kodlama; KV204/C-R(180)/CSC1ST1V7(A160B160)K1/3XCSC4ST1V1(A140B150)K3/D-H

Dimensional Data

Ölçüsel Bilgi

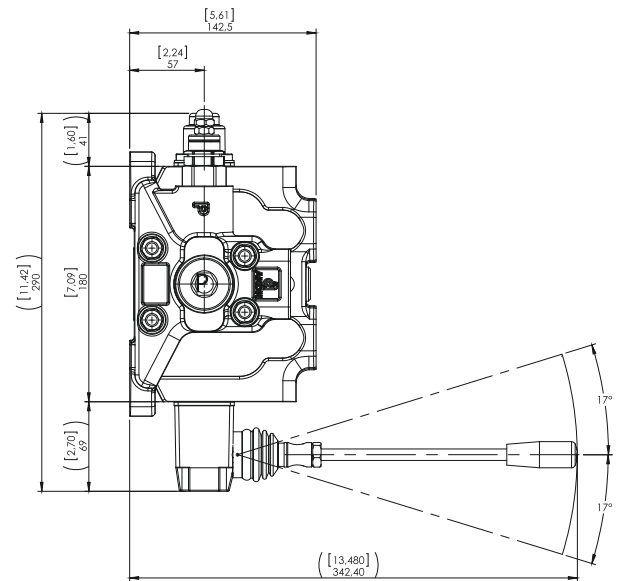
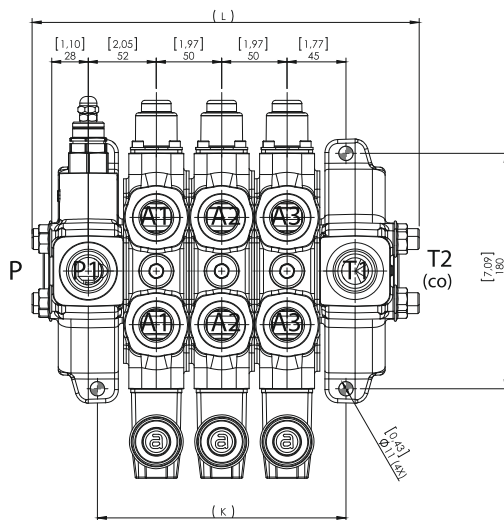


Standard & Optional Threads *Standart ve Opsiyonel Ölçüler*

Thread <i>Paso Tipi</i>	Code <i>Kod</i>	P - P1	A/B	T1	T2(CO)
BSP(Standard)	C	G 3/4"	G 3/4"	G 3/4"	G 1"
	D	G 1"	G 1"	G 1"	G 1"
UN-UNF	N	1 1/16 – 12 (SAE 12)	1 1/16 – 12 (SAE 12)	1 1/16 – 12 (SAE 12)	G 1"
	Q	1 6/16 – 12 (SAE 16)	1 6/16 – 12 (SAE 16)	1 6/16 – 12 (SAE 16)	G 1"
METRIC		M33x2	M33x2	M33x2	G 1"

BSP threads are standard threads. Its necessary to code the port thread in inlet, working and outlet section. Example coding; KV201/C-R(180)/CSC1ST1/D-H

Valflerimiz standart olarak BSP Diş üretilmektedir. Talep edilen port ölçüleri basınç kapağında, her dilimin başında ve dönüş kapağında kodlanır. Örnek Kodlama; KV201/C-R(180)/CSC1ST1/D-H



Dimensions & Weight Ölçüler ve Ağırlık

Type / Tip	K		L		Weight <i>Ağırlık</i>	
	mm	inc	mm	inc	kg	lb
KV201	90	3.54	196	7.71	14.80	32.62
KV202	140	5.51	246	9.68	21.25	46.84
KV203	190	7.48	296	11.65	27.70	61.06
KV204	240	9.44	346	13.62	34.15	75.28
KV205	290	11.41	396	15.59	40.60	89.50
KV206	340	13.38	446	17.55	47.05	103.72
KV207	390	15.35	496	19.52	53.50	117.95
KV208	440	17.32	546	21.50	59.95	132.16
KV209	490	19.29	596	23.46	66.40	146.38

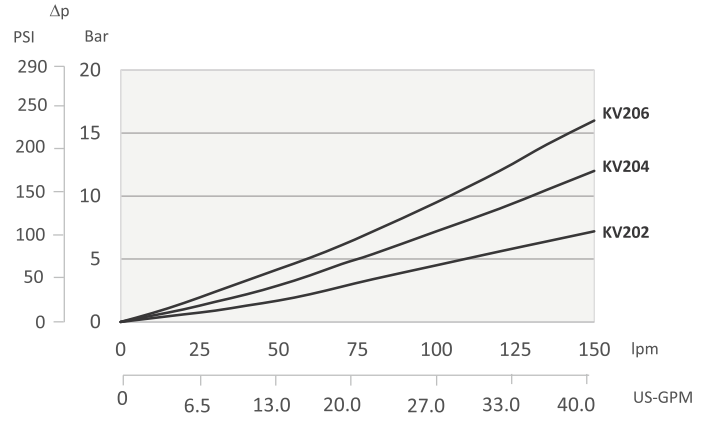
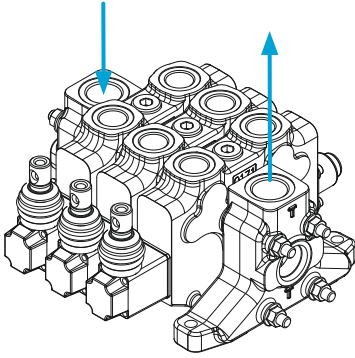
Given weights are for standard configurations.
Ağırlıklar standart konfigürasyon için verilmiştir.

Performance Data

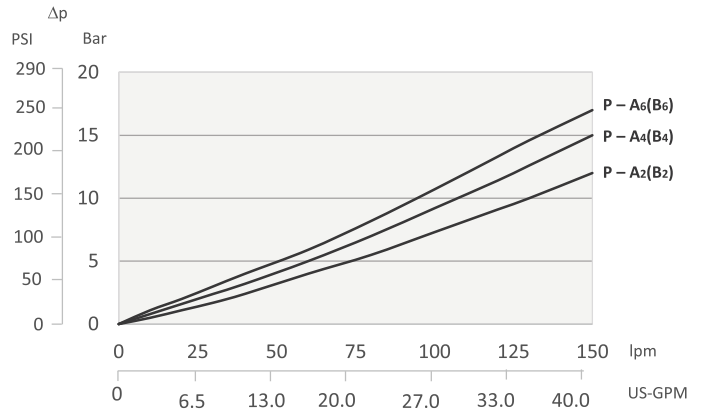
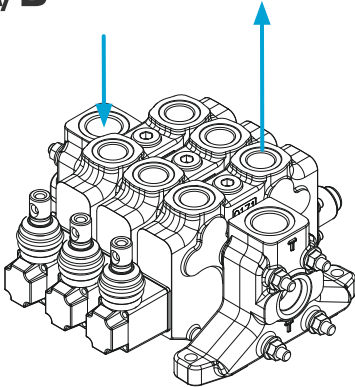
Performans Eğrileri

Pressure Drop Curves Basınç Kayıp Eğrileri

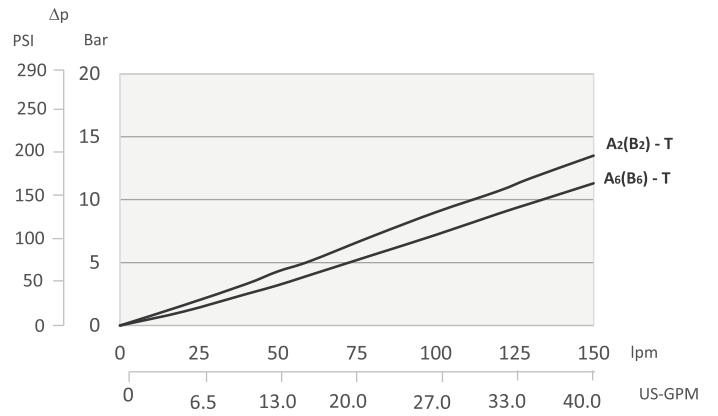
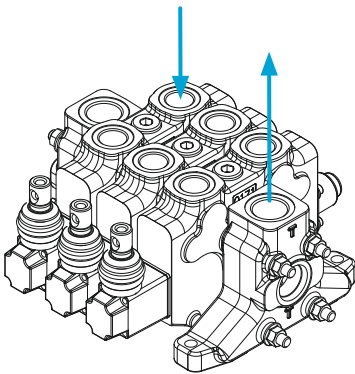
P - T



P - A/B



A/B - T



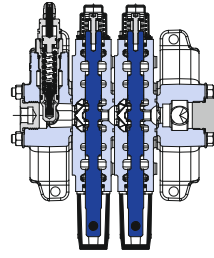
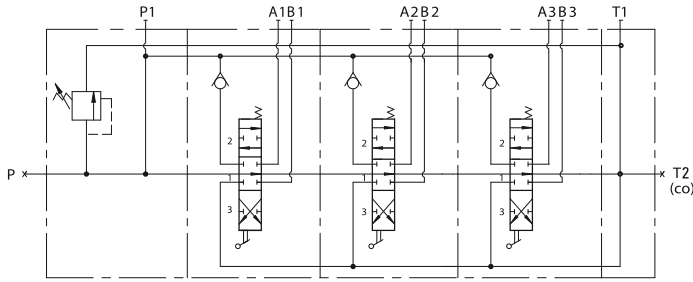
Measured with spool type ST1 and 32 cSt hydraulic oil @ 40°C.
ST1 sürü ve 32 cSt hidrolik yağ ile 40°C'de ölçülmüştür.

Hydraulic Specifications

Hidrolik Devre

Parallel Circuit *Paralel Devre*

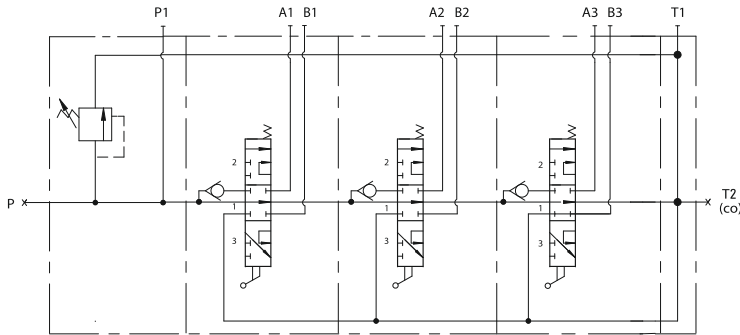
Standard configuration; Parallel circuit with upper inlet and outlet.
Standart konfigürasyon; Paralel devre, P1 ve T1 açık, P ve T2(CO) kör şeklindedir.



Code / Kod

**NO
CODE**

Series Circuit *Seri Devre*



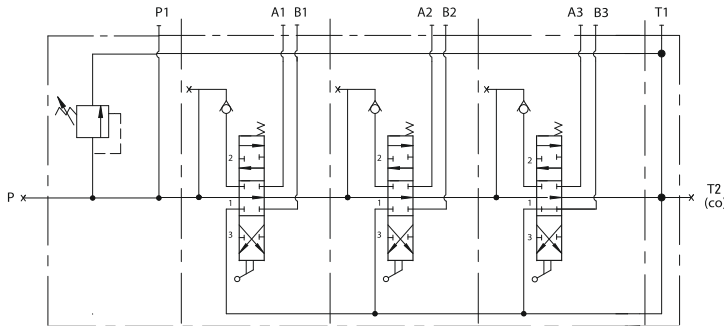
Maximum working pressure is 250 bar.
Maksimum çalışma basıncı 250 bar.

Code / Kod

S

Series Circuit is coded with «S» before each series working section demanded.
Example Coding; KV201/C-R(180)/SCSC1ST1/SCSC1ST1/D
Seri devre her seri dilimin önüne «S» gelecek şekilde kodlanır.
Örnek Kodlama; KV201/C-R(180)/SCSC1ST1/SCSC1ST1/D

Tandem Circuit *Tandem Devre*



Code / Kod

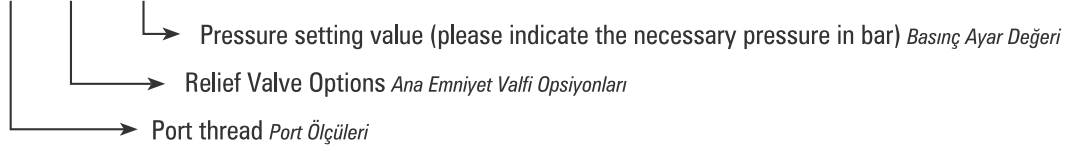
T

Tandem Circuit is coded with «T» before each series working section demanded.
Example Coding; KV201/C-R(180)/TBSC1ST1/TBSC1ST1/B
Seri devre her seri dilimin önüne «T» gelecek şekilde kodlanır.
Örnek Kodlama; KV201/C-R(180)/TBSC1ST1/TBSC1ST1/B

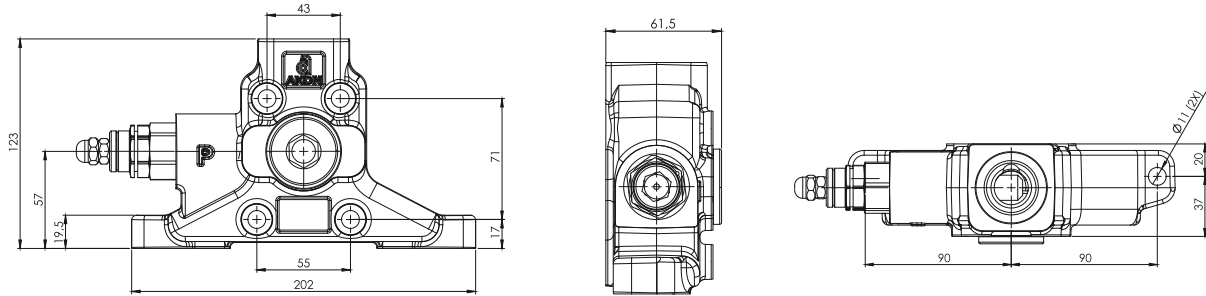
Inlet Option

Basınç (P) Hattı Opsiyonları

KV201 / **C - R (180)** / C SC4 ST11 V13 K3 / D



Inlet Cover *Basınç Kapağı*

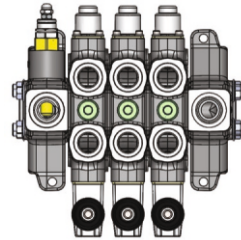
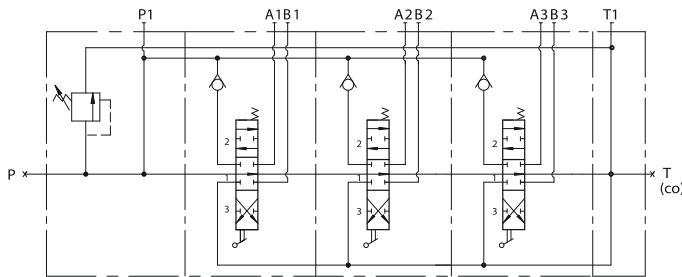


Side of Inlet Section *Basınç Kapağı Yönü*

Code / Kod

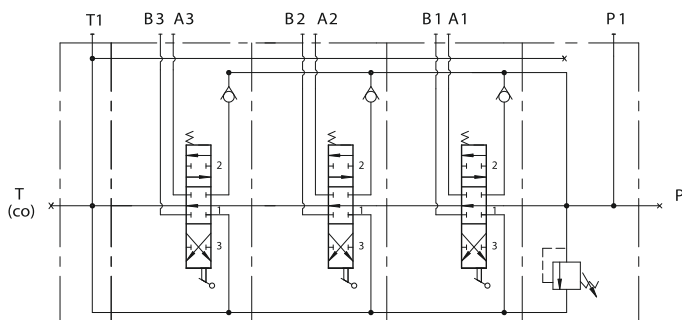
**NO
CODE**

Valve with left inlet *Sol Basınç Kapağı*



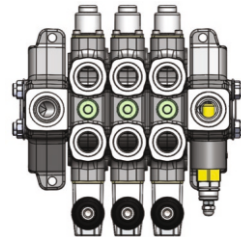
Left inlet is standard onfiguration unless otherwise indicated.
Aksi belirtilmezse KV20 serisi valfler sol basınç kapağı ile üretilir.

Valve with right inlet *Sağ Basınç Kapağı*



Code / Kod

IR



Example coding for left inlet
Sağ basınç kapağı örnek kodlama

KV201 / IR - C - R (180)

Adjustable Direct Acting Main Relief Valve Ayarlanabilir Ana Emniyet Valfi (Direk Etkili)

Port Thread Port Ölçüsü

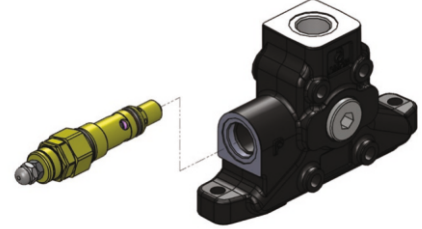
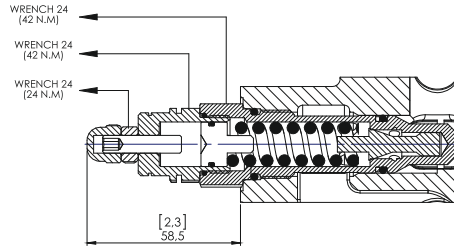
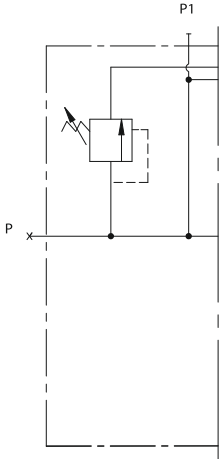
Code / Kod

G 3/4"

C-R

G 1"

D-R



Please indicate the necessary pressure setting value. MRV is preset to 180 Bar at 15 lpm unless otherwise specified.
Lütfen ayarlanmasını istediğiniz basınç değerini bildiriniz. Ürünler standart olarak 15 lt/dk'da 180 Bara ayarlanır.

Main Relief Valve Blanking Plug Emniyet Valfsiz

Port Thread Port Ölçüsü

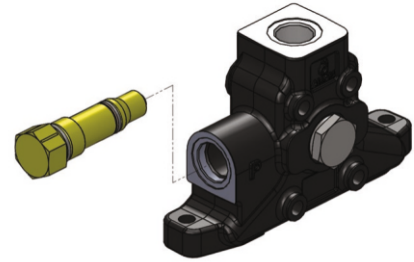
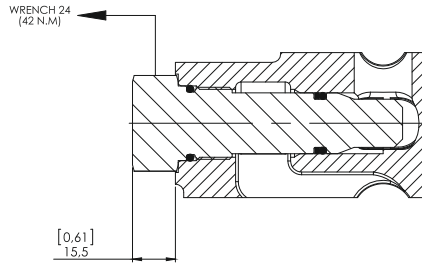
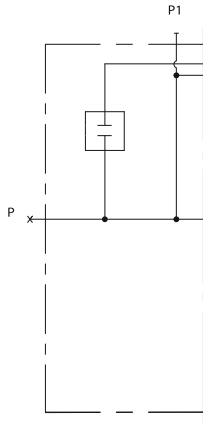
Code / Kod

G 3/4"

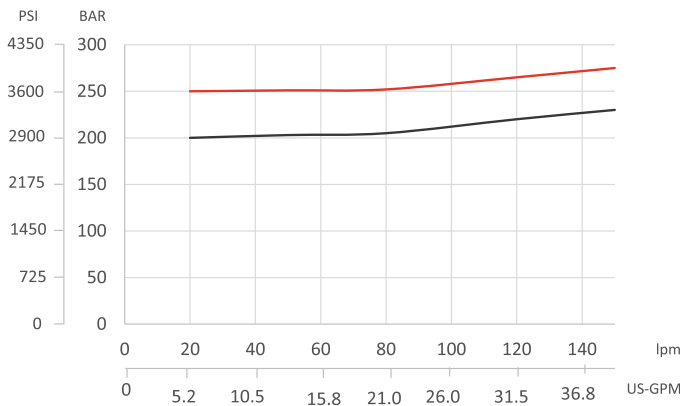
C-Y

G 1"

D-Y



Main Relief Valve Performance Data Ana Emniyet Valfi Performans Eğrisi

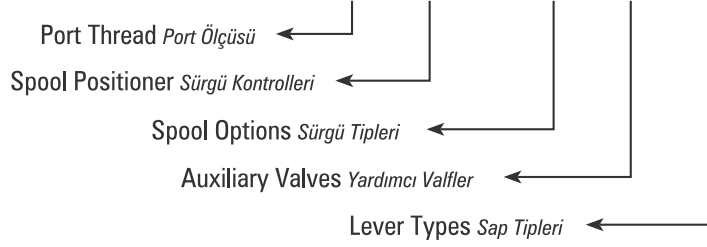


Measured with 32 cSt hydraulic oil @ 40°C and neglected tank line pressure.
32 cSt hidrolik yağ ile 40°C'de, tank hattı basıncı ihmal edilerek ölçülmüştür.

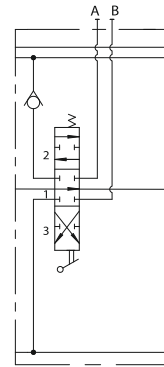
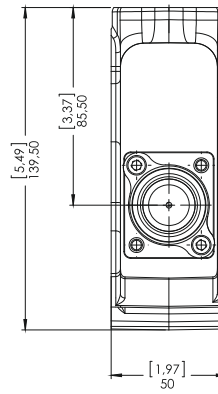
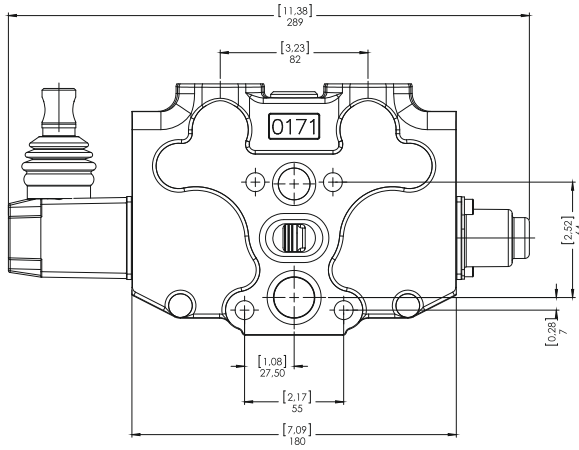
Working Section

Dilim

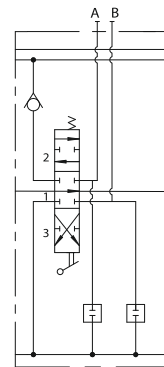
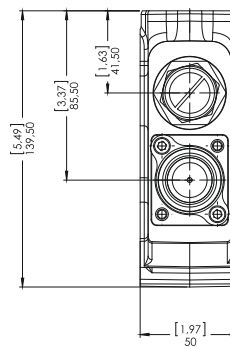
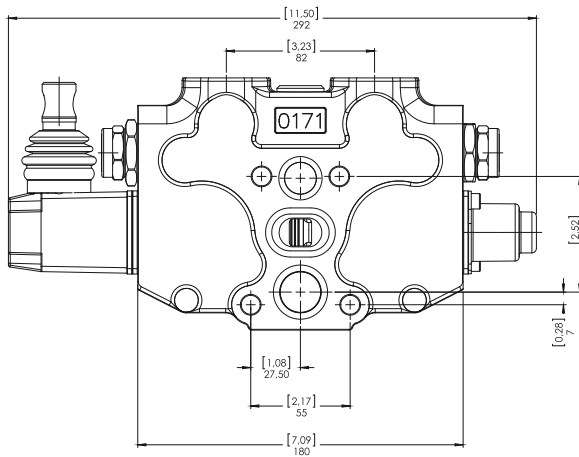
KV201 / C - R (180) / **C SC4 ST11 V13 K3** / D



Working section without port relief cavity *Standart Dilim*



Working section with port relief cavity *Antişok portları işlenmiş dilim*



Spool Positioners

Sürgü Kontrolleri

KV201 / C - R (180) / C **SC4** ST11 V13 K3 / D

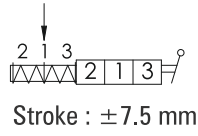
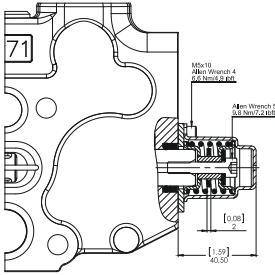
↳ Spool Positioners Sürgü Kontrolleri

Spool Positioners with Spring Return *Yay Dönüslü Sürgü Kontrolleri*

SC1

3 Positions Spring Return

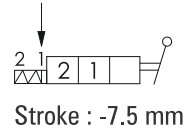
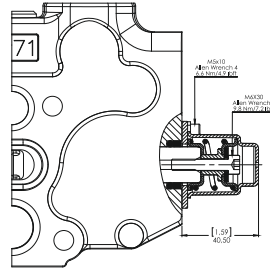
3 Pozisyon Yaylı



SC5

2 Positions Spring Return

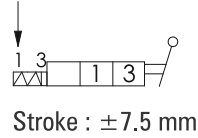
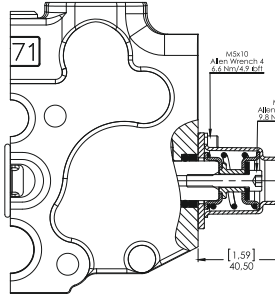
2 Pozisyon Yaylı



SC6

2 Positions Spring Return

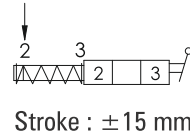
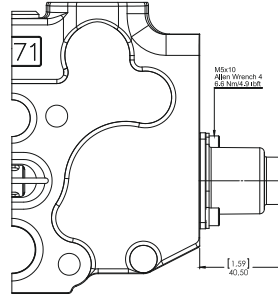
2 Pozisyon Yaylı



SC11

2 Positions Spring Return in 3rd Position

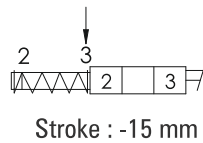
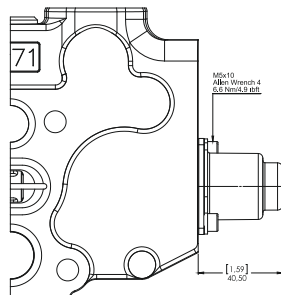
2 Pozisyon, 3. Pozisyona Yaylı



SC12

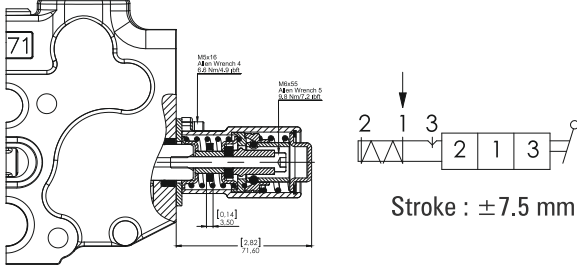
2 Positions Spring Return in 2nd Position

2 Pozisyon, 2. Pozisyona Yaylı

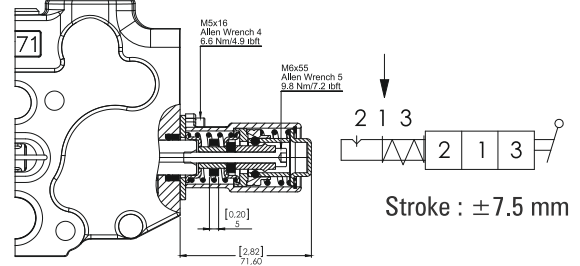


Spool Positioners with Detent *Detanlı Sürgü Kontrolleri*

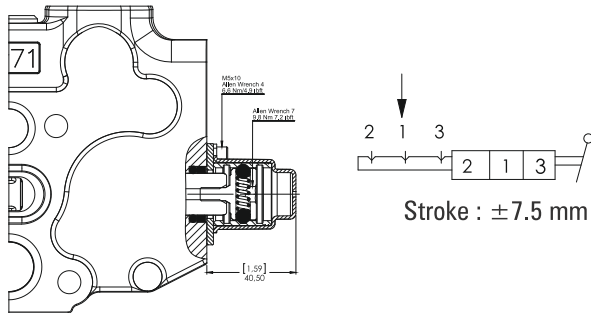
SC2 3 Position Spring Return, Detent in Pos. 3 3 Pozisyon Yaylı, 3. Pozisyon Detanlı



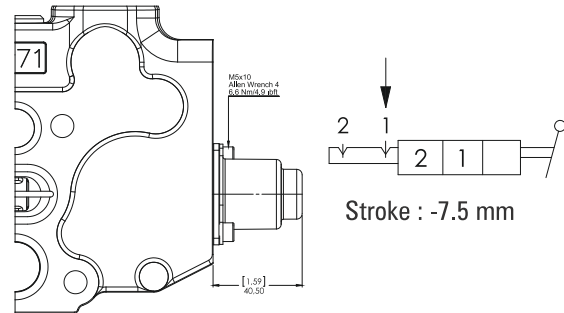
SC3 3 Position Spring Return, Detent in Pos. 2 3 Pozisyon Yaylı, 2. Pozisyon Detanlı



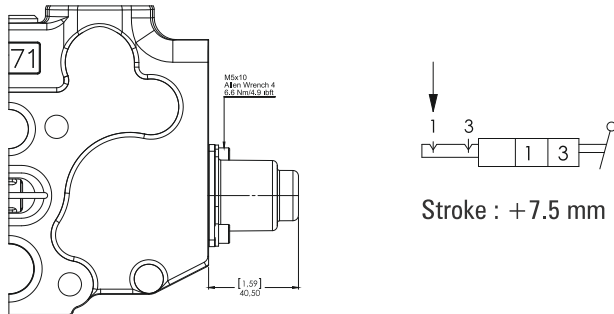
SC4 3 Position Detent in All Positions 3 Pozisyon Detanlı



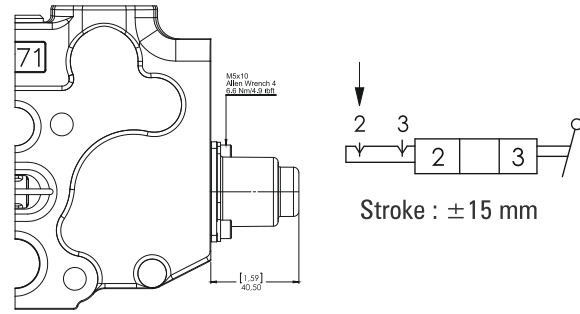
SC7 2 Position Detent 2 Pozisyon Detanlı



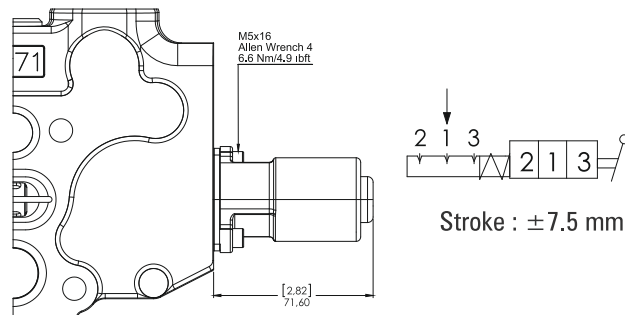
SC8 2 Position Detent 2 Pozisyon Detanlı



SC13 2 Position Detent 2 Pozisyon Detanlı



SC28 3 Position Spring Centered with Detent 3 Pozisyon Yaylı ve Detanlı

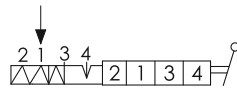
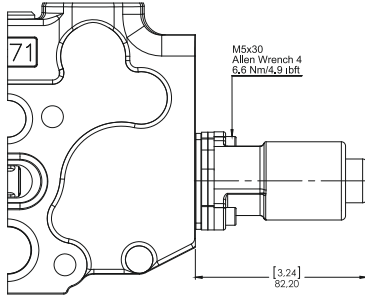


4 Position Spool Positioners 4 Pozisyon Sürgü Kontrolleri

SC9

4 Position Spring Return, Detent in 4th Pos.

4 Pozisyon Yaylı, 4.Pozisyon Detantlı



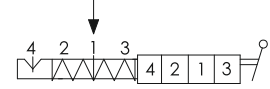
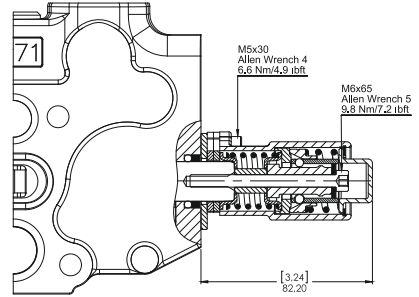
Used with Spool ST9B
ST9B Sürgü ile kullanılır

Stroke : ± 7.5 mm / +5.5 mm

SC23

4 Position Spring Return, Detent in 4th Pos.

4 Pozisyon Yaylı, 4.Pozisyon Detantlı



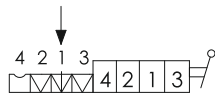
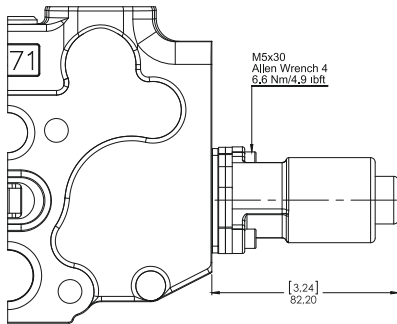
Used with Spool ST9A
ST9A Sürgü ile kullanılır

Stroke : ± 7.5 mm / -5.5 mm

SC21

4 Position Spring Return, Feel Detent in 4th Pos.

4 Pozisyon Yaylı, 4.Pozisyon Hissetmeli Detantlı

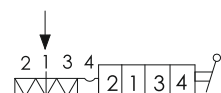
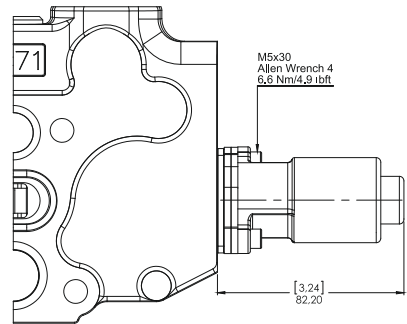


Used with Spool ST10A
ST10A Sürgü ile kullanılır

SC22

4 Position Spring Return, Feel Detent in 4th Pos.

4 Pozisyon Yaylı, 4.Pozisyon Hissetmeli Detantlı

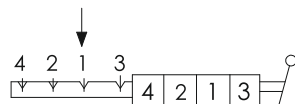
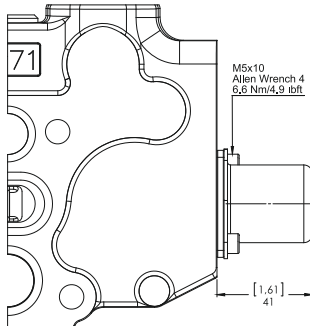


Used with Spool ST10B
ST10B Sürgü ile kullanılır

SC10

4 Position Detent in All Positions

4 Pozisyon Tüm Pozisyonlar Detantlı



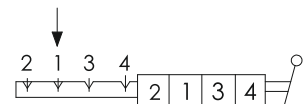
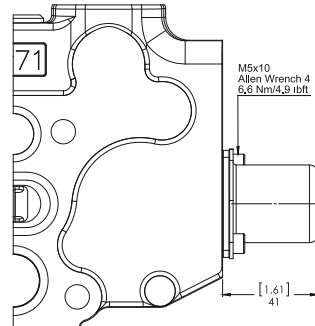
Used with Spool ST9A
ST9A Sürgü ile kullanılır

Stroke : ± 7.5 mm / -5 mm

SC24

4 Position Detent in All Positions

4 Pozisyon Tüm Pozisyonlar Detantlı



Used with Spool ST9B
ST9B Sürgü ile kullanılır

Stroke : ± 7.5 mm / +5.5 mm

SC15

On-Off Pneumatic Control

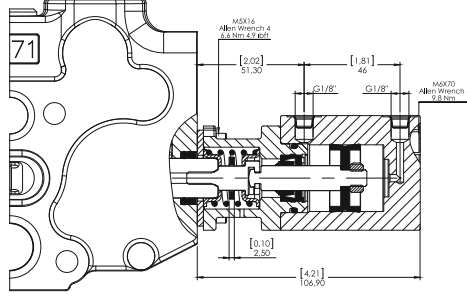
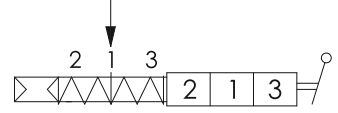
On-Off Pnömatik Kontrol

Pilot Pressure
Pilot Basıncı

Min. 6 Bar / 85 PSI
Max. 12 Bar / 170 PSI

Stroke (mm)
Strok (mm)

± 7.5 mm



SC30

On-Off Electro-Pneumatic Control

On-Off Elektro-Pnömatik Kontrol

Operation Characteristics Çalışma Özellikleri

Pilot Pressure
Pilot Basıncı

Min. 6 Bar / 85 PSI
Max. 12 Bar / 170 PSI

Coil Characteristics Bobin Özellikleri

Coil Connection Type
Bobin Bağlantı Tipi

DIN 43650

Supply Voltage
Voltaj

12VDC, 24VDC

Protection Type
Koruma

IP65

Nominal Voltage Tolerance
Nominal Voltaj Toleransı

± 10%

Duty cycle
Görev Çevrimi

100%

Absorbed Power
Güç

DC 8W

Coil Insulation Class
Yalıtım Sınıfı

Class "H" coil as from
the IEC 85 standard.
Class "H" wire (200° C).

Maximum Temperatures
Maksimum Çalışma Sıcaklığı

Class "F" 155°C
Class "H" 180°C

Stroke (mm)
Strok (mm)

± 7.5 mm

Kit Order Code
Kit Sipariş Kodu

12VDC - 2005712000
24VDC - 2005448000

Voltage

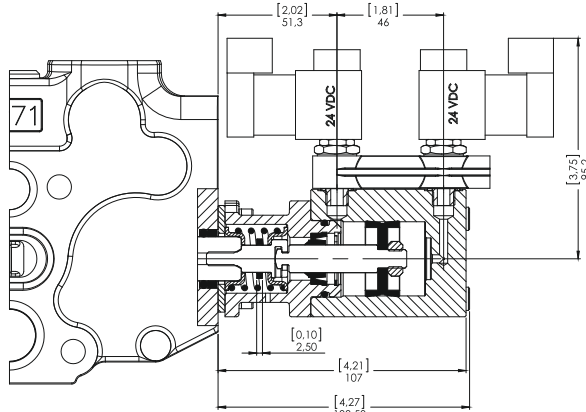
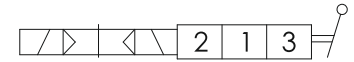
Code / Kod

12VDC

SC302

24VDC

SC304



SC16

On-Off Hydraulic Control

On-Off Hidrolik Kontrol

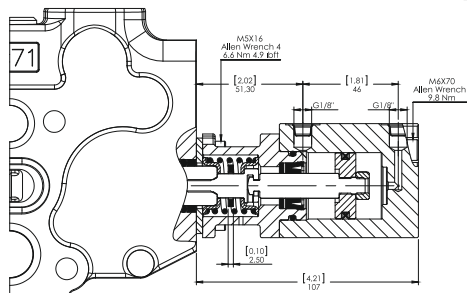
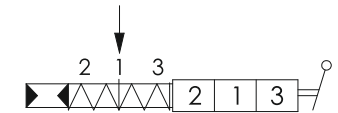
Operation Characteristics Çalışma Özellikleri

Pilot Pressure
Pilot Basıncı

Min. 6 Bar / 85 PSI
Max. 50 Bar / 720 PSI

Stroke (mm)
Strok (mm)

± 7.5 mm



Operation Characteristics Çalışma Özellikleri

Pilot Pressure
Pilot Basıncı
Min. 10 Bar / 145 PSI
Max. 25 Bar / 360 PSI

Back Pressure
Tank Basıncı
Max. 3 Bar

Coil Characteristics Bobin Özellikleri

Coil Connection Type
Bobin Bağlantı Tipi
DIN 43650

Supply Voltage
Voltaj
12VDC, 24VDC

Protection Type
Koruma
IP65

Nominal Voltage Tolerance
Nominal Voltaj Toleransı
± 10%

Duty cycle
Görev Çevrimi
100%

Absorbed Power
Güç
18W

Coil Insulation Class
Yalıtım Sınıfı
Class "F" 155°C

Maximum Temperatures
Maksimum Çalışma Sıcaklığı
100°C

Stroke (mm)
Strok (mm)
± 7.5 mm

Voltage

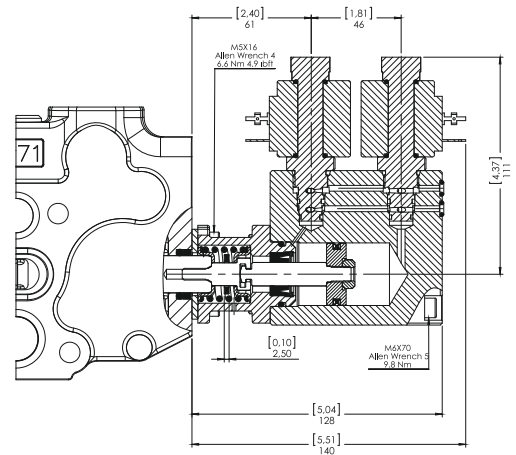
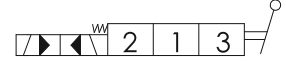
Code / Kod

12VDC

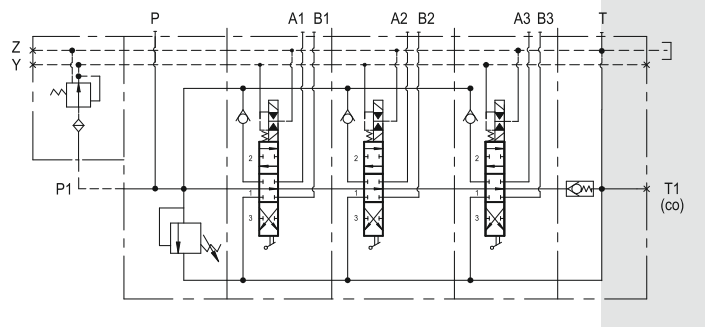
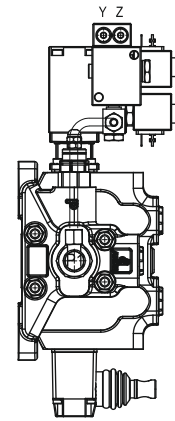
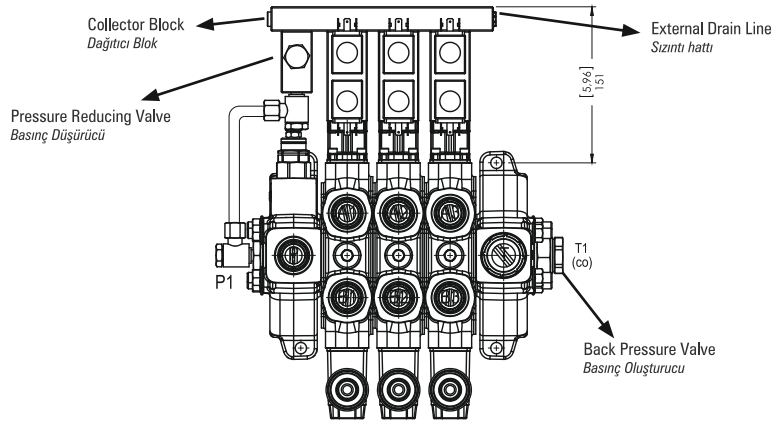
SC172

24VDC

SC174



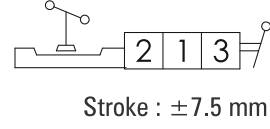
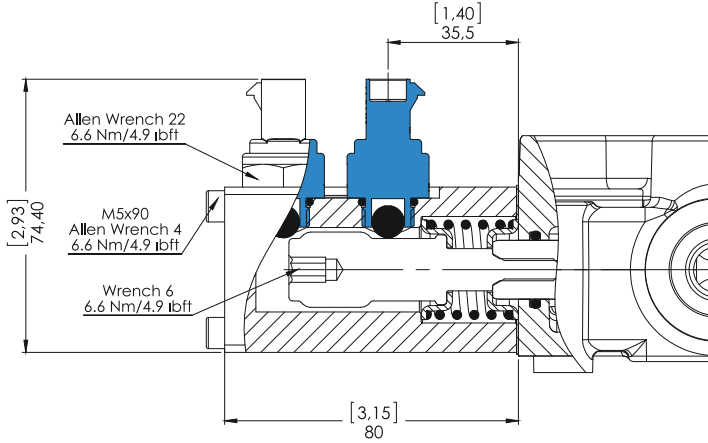
Standard Connection and Hydraulic Circuit Standart Bağlantı ve Hidrolik Devre



SC18

3 Positions, Microswitch Operation in both positions (NC)

3 Pozisyon, Çift Taraflı Mikrosviç Kontrol (NK)

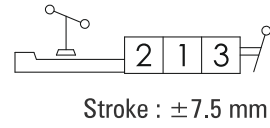
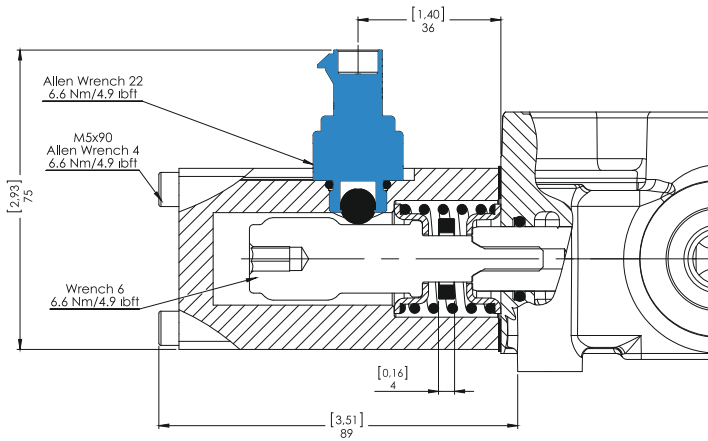


Configuration with normally open (NO) circuit is available, please contact our sales department.
Normalde Açık (NA) konfigürasyon için lütfen satış departmanımızla bağlantıya geçiniz.

SC18A

3 Positions, Microswitch Operation in 3rd Position

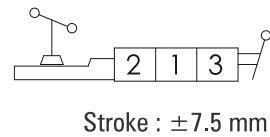
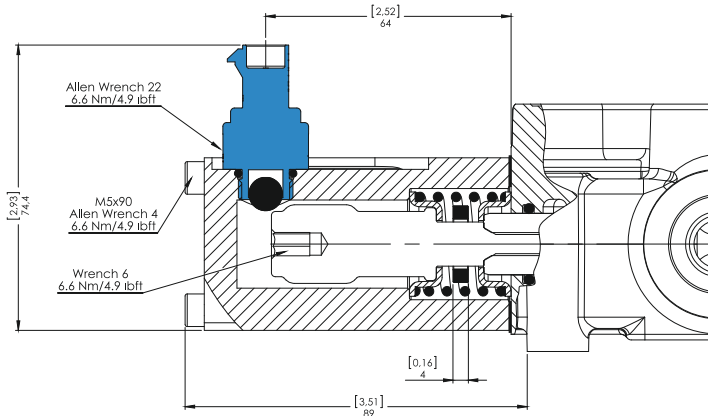
3 Pozisyon, 3.Pozisyona Mikrosviç Kontrol



SC18B

3 Positions, Microswitch Operation in 2nd Position

3 Pozisyon, 2.Pozisyona Mikrosviç Kontrol



Spool Options

Sürgü Tipleri

KV201 / C - R (180) / C SC4 **ST11** V13 K3 / D

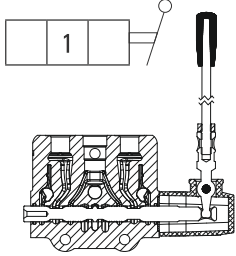
Spool Options
Sürgü Tipleri

Spool Positions Sürgü Pozisyonları

1st Position

1. Pozisyon

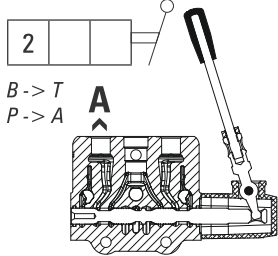
Spool Neutral Position
Nötr



2nd Position

2. Pozisyon

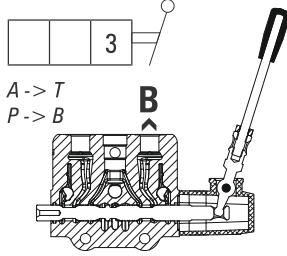
Spool In Position
Mil İçerde



3rd Position

3. Pozisyon

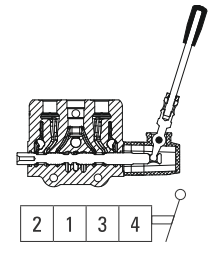
Spool Out Position
Mil Dışarda



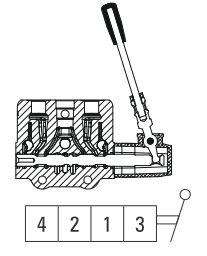
4th Position

4. Pozisyon

4th Pos. Spool Out
4. Pozisyon Mil Dışarda



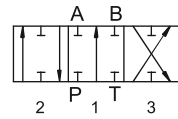
4th Pos. Spool In
4. Pozisyon Mil İçerde



ST1

3 Position, Double Acting

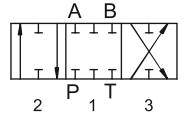
3 Pozisyon, Çift Etkili



ST4

3 Position, Closed Center

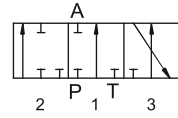
3 Pozisyon, Kapalı Merkez



ST2

3 Position, A Port Single Acting

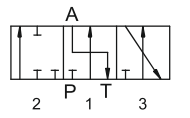
3 Pozisyon, A Port Tek Etkili



ST5

3 Position, A Port Single Acting and to Tank

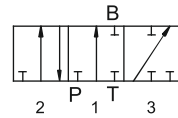
3 Pozisyon, A Port Tek Etkili ve Tanka Açık



ST3

3 Position, B Port Single Acting

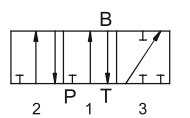
3 Pozisyon, B Port Tek Etkili



ST6

3 Position, B Port Single Acting and to Tank

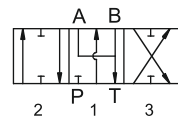
3 Pozisyon, B Port Tek Etkili ve Tanka Açık



ST11

3 Position, Double Acting, A/B to Tank

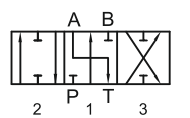
3 Pozisyon, Çift Etkili A ve B Tanka Açık



ST7

3 Position, Double Acting A to Tank

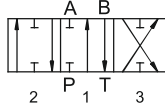
3 Pozisyon, Çift Etkili ve A Tanka Açık



ST8

3 Position,
Double Acting B to Tank

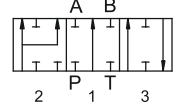
3 Pozisyon,
Çift Etkili ve B Tanka Açık



S12A

3 Position, Double Acting With
Regenerative in 3rd Position
(2nd Position Spool In)

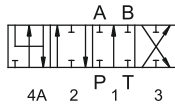
3 Pozisyon, Çift Etkili
3. Pozisyonda Rejeneratif
(Mil İçerde 2. Pozisyon)



ST9A

4 Position, Double Acting with
Float in 4th Position
(4th Position Spool In)

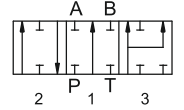
4 Pozisyon, 4. Pozisyonda Float
(Mil İçerde 4. Pozisyon)



ST12B

3 Position, Double Acting With
Regenerative in 2nd Position
(3rd Position Spool Out)

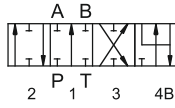
3 Pozisyon, Çift Etkili
2. Pozisyonda Rejeneratif
(Mil Dışarda 3. Pozisyon)



ST9B

4 Position, Double Acting with
Float in 4th Position
(4th Position Spool Out)

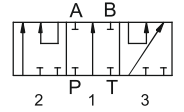
4 Pozisyon, 4. Pozisyonda Float
(Mil Dışarda 4. Pozisyon)



ST19

3 Position, Series Spool

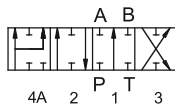
3 Pozisyon, Seri Sürgü



ST10A

4 Position, Double Acting with
Regenerative in 4th Position
(4th Position Spool In)

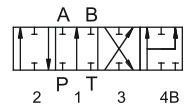
4 Pozisyon,
4. Pozisyonda Rejeneratif
(Mil İçerde 4. Pozisyon)



ST10B

4 Position, Double Acting With
Regenerative in 4th Position
(4th Position Spool Out)

4 Pozisyon,
4. Pozisyonda Rejeneratif
(Mil Dışarda 4. Pozisyon)



Auxiliary Valves

Yardımcı Valfler

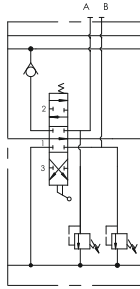
KV201 / C - R (180) / C SC4 ST11 **V13** K3 / D

Auxiliary Valves
Yardımcı Valfler

V1

Antishock valves on A & B ports

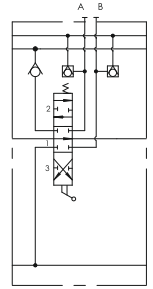
A & B portlarında antişok valfi



V4

Anticavitation valves on A & B ports

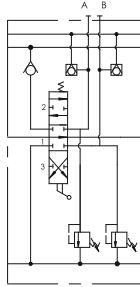
A & B portlarında antikavitasyon valfi



V7

Antishock & anticavitation valves on A & B ports

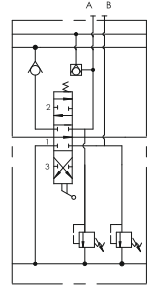
A & B portlarında antişok & antikavitasyon valfi



V8

Antishock & anticavitation valve on port A & antishock valve on port B

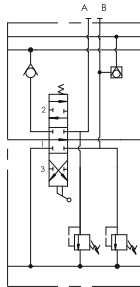
A portunda antişok & antikavitasyon valfi & B portunda antişok valfi



V9

Antishock valve on port A & antishock & anticavitation valve on port B

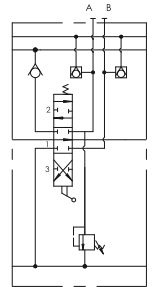
A portunda antişok valfi & B portunda antişok & antikavitasyon valfi



V12

Antishock & anticavitation valve on port A & anticavitation valve on port B

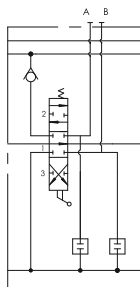
A portunda antişok & antikavitasyon valfi & B portunda antikavitasyon valfi



V13

Port relief cavity plug on A & B ports

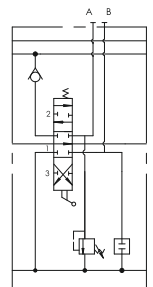
A & B portlarında kör tapa



V17

Antishock valve on port A & port relief cavity plug on port B

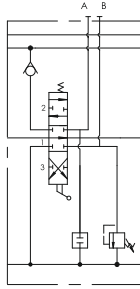
A portunda antişok & B portunda kör tapa



V18

Port relief cavity plug on port A
& antishock valve on port B

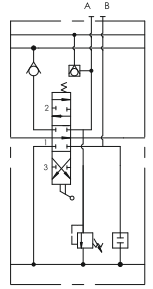
A portunda kör tapa
& B portunda antişok valfi



V19

Antishock & anticavitation valve
on port A & port relief cavity plug
on port B

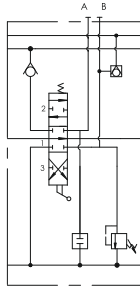
A portunda antişok
& antikavitasyon valfi
& B portunda kör tapa



V20

Port relief cavity plug on port A
& antishock & anticavitation valve
on port B

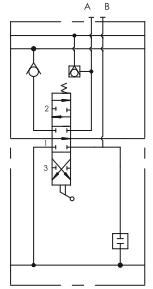
A portunda kör tapa
& B portunda antişok
& antikavitasyon valfi



V21

Anticavitation valve on port A
& port relief cavity plug on port B

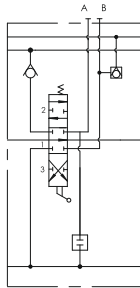
A portunda antikavitasyon valfi
& B portunda kör tapa



V22

Port relief cavity plug on port A
& anticavitation valve on port B

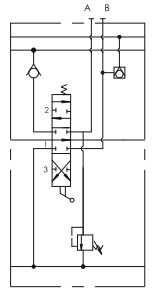
A portunda kör tapa
& B portunda antikavitasyon valfi



V27

Antishock valve on port A
& anticavitation valve on port B

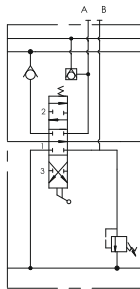
A portunda antişok
& B portunda antikavitasyon valfi



V28

Anticavitation valve on port A
& antishock valve on port B

A portunda antikavitasyon valfi
& B portunda antişok valfi



Lever Types

Sap Tipleri

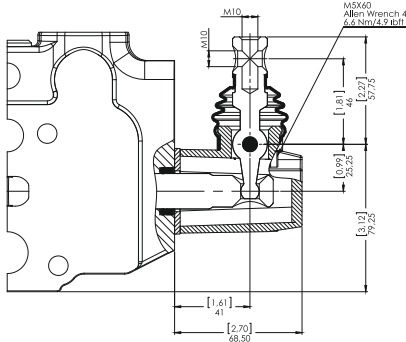
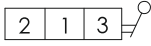
KV201 / C - R (180) / C SC4 ST11 V13 **K3** / D

Lever Types
Sap Tipleri

NO
CODE

Standard Lever Kit

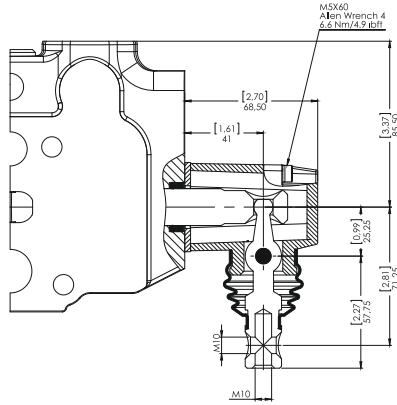
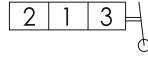
Standart Sap Kapağı



K1

Reverse Lever Kit

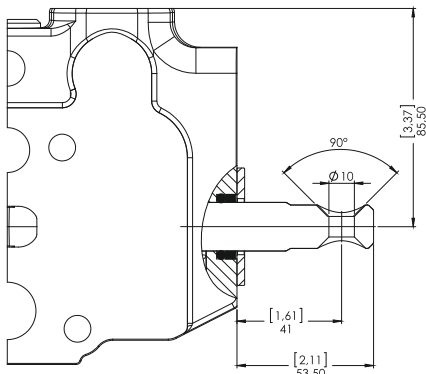
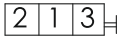
Ters montaj Sap Kapağı



K2

No Lever

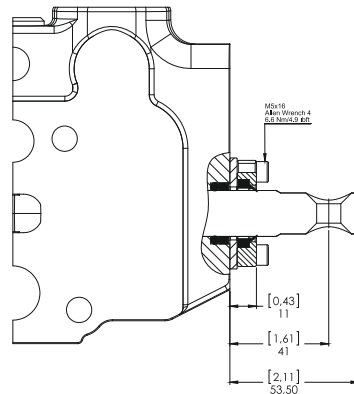
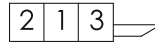
Sap Kapaksız



K3

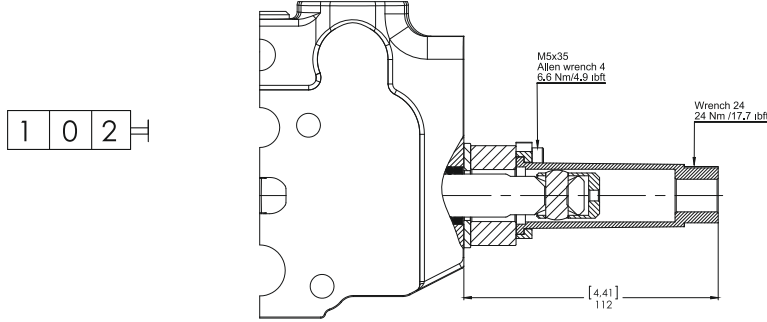
Dust Proof Plate Kit

Toz Kapaklı

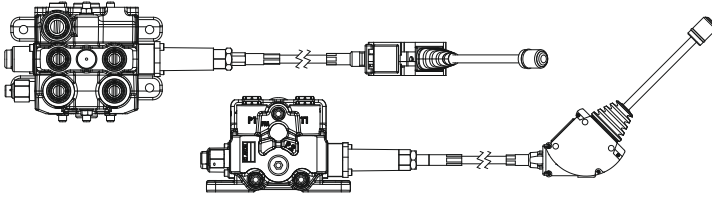


KT**Cable Connection Kit**

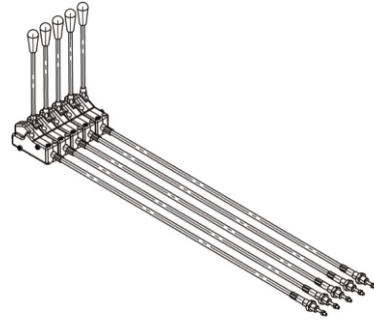
Kablo Bağlantı Kiti



Lever Cable Remote Control *Halat Kontrol*



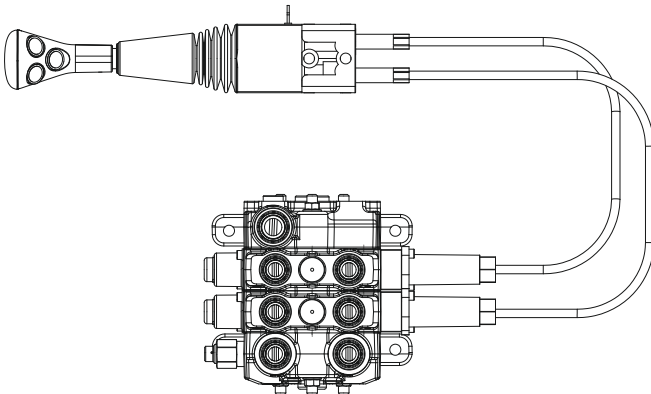
Cable remote control for Group of Levers *Halat Kontrol Grubu*



Lever cable remote control and cable remote control for group of levers are a modular system offering unlimited number of levers together through screws, also with many different configurations and cable lengths. Assembled on the valve only on request and extra charge. Please contact our sales department for details.

Halat kontrol ve halat kontrol grubu için farklı uzunlukları mevcuttur. Halat Kontrol grubu ise talebe göre çeşitli dilim sayıları için ve çeşitli uzunluklarda temin edilir. Kontrol grubu birbirine saplamalarla bağlanmaktadır. Lütfen detaylı bilgi için satış departmanımızla bağlantıya geçiniz.

Remote Joystick Control *Joystik Halat Kontrol*



Remote joystick control is available with several options. Please indicate the cable length demanded and contact our sales department for further demands.

Joystik halat kontrol farklı çeşit ve uzunluklarda mevcuttur. Lütfen satış departmanımızla bağlantıya geçiniz.

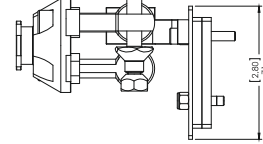
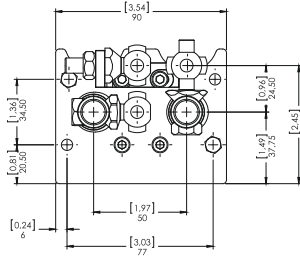
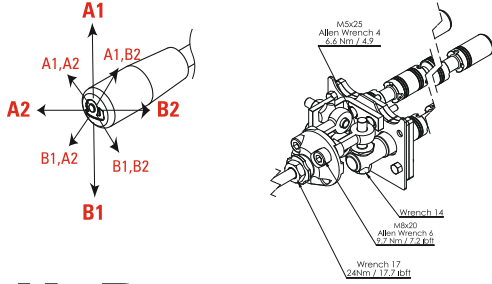
Joystick Control

Joystik Kontrol

K7

Manual Joystick with pivot on top left

Manuel Joystick Kontrol (Pivot Sol Üst)

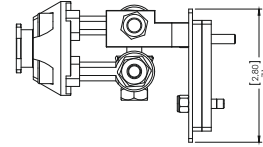
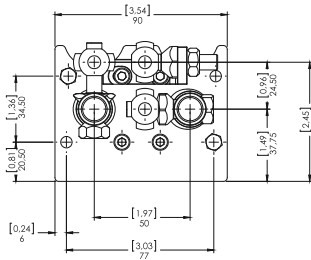
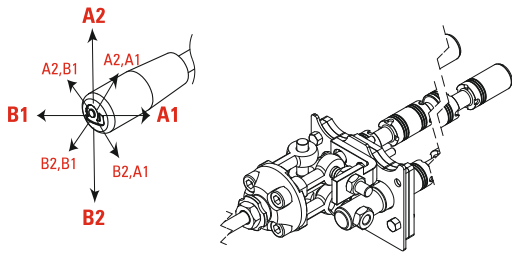


K7 is standard configuration unless otherwise specified.
Aksi belirtilmedikçe K7 standart konfigürasyondur.

K7B

Manual Joystick with pivot on top right

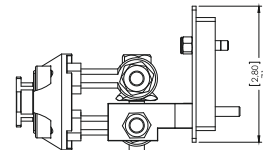
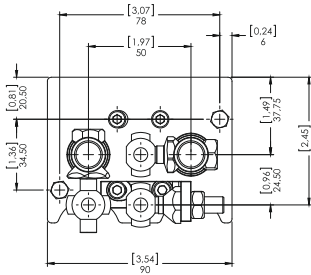
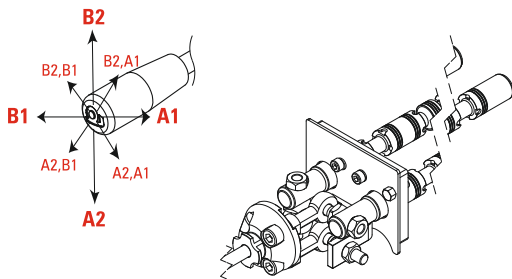
Manuel Joystick Kontrol (Pivot Sağ Üst)



K7C

Manual Joystick with pivot on bottom right

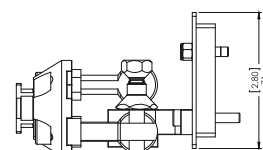
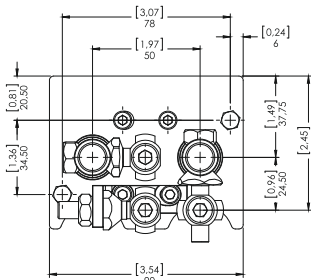
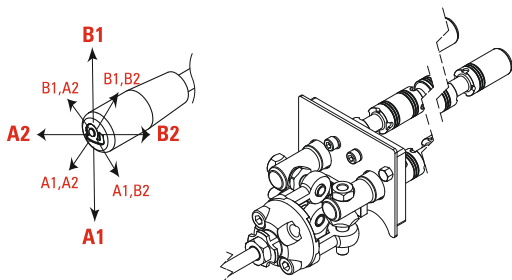
Manuel Joystick Kontrol (Pivot Sağ Alt)



K7D

Manual Joystick with pivot on bottom left

Manuel Joystick Kontrol (Pivot Sol Alt)



Outlet Options

Tank (T) Hattı Opsiyonları

KV201 / C - R (180) / C SC4 ST11 V13 K3 / **D - H**

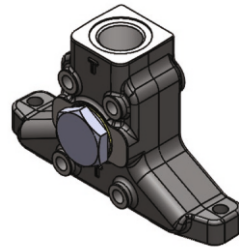
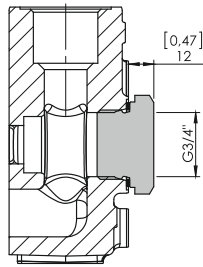
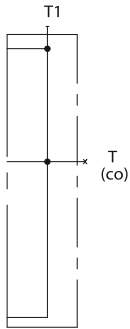
Outlet Options
Tank (T) Hattı Opsiyonları

Standard Open Center Upper Outlet Standart Açık Merkez

Port Thread Port Ölçüsü Code / Kod

G 1"

D



Please contact our Sales Department for other outlet options.
Özel talepleriniz için lütfen Satış Departmanımızla bağlantıya geçin.

Outlet with Carry-Over Carry-Over

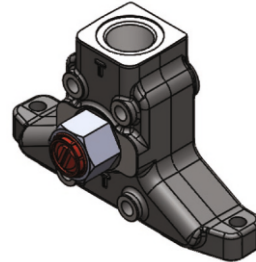
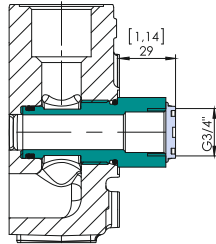
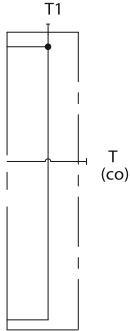
When Carry-Over is used for series connection with another valve, T1 of the first valve must be connected to the tank.

Carry-over kullanıldığında, 1.valfin tank hattı (T1) mutlaka tanka bağlanmalıdır.

Port Thread Port Ölçüsü Code / Kod

G 1"

D-H



Outlet with Closed Center Plug Kapalı Merkez

Port Thread Port Ölçüsü Code / Kod

G 1"

D-K

