

BOMBAS CAUDAL VARIABLE TIPO DR/DFR

- Eje estriado y tapa ISO C (código 0101)
- Eje cilíndrico y tapa ISO A (código 0202)
- Eje estriado y tapa ISO A (código 0102)

Dependiendo del cubicaje, la tapa y el eje cambian de dimensiones

DR control de presión

DFR control de presión y caudal



REFERENCIAS

Tipo DFR

BPCV28DFR0101

BPCV45DFR0101

BPCV71DFR0101

Tipo DR

BPCV28DFR0101

BPCV45DFR0101

BPCV71DFR0101



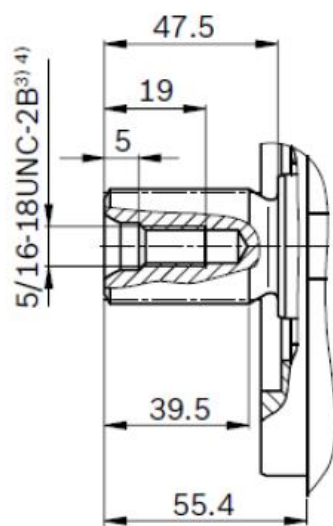
VERSIÓN 0101 EJES (DFR/DR)



BPCV71DFR0101

▼ Splined shaft 1 1/4 in (SAE J744)

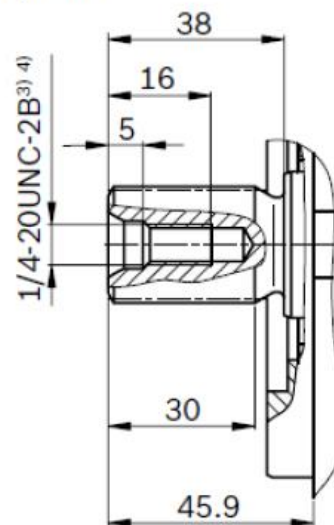
S - 14T 12/24DP¹⁾



BPCV45DFR0101

▼ Splined shaft 1 in (SAE J744)

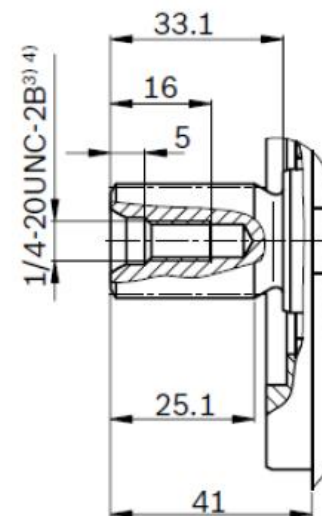
S - 15T 16/32DP¹⁾



BPCV28DFR0101

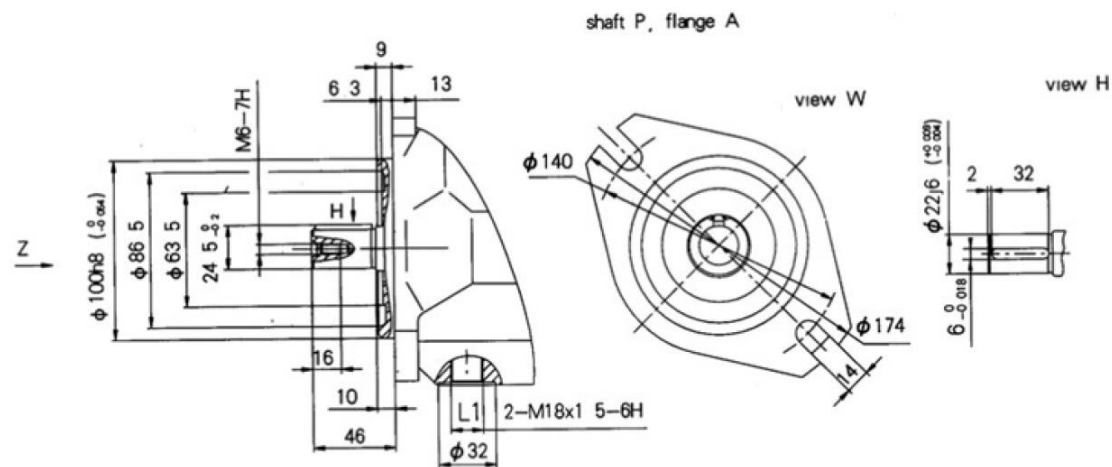
▼ Splined shaft 7/8 in (SAE J744)

S - 13T 16/32DP¹⁾



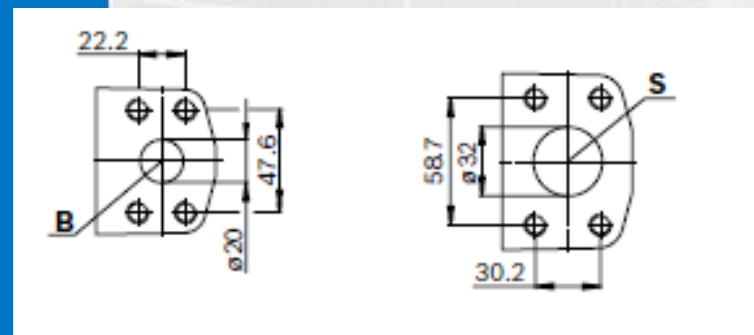
VERSIÓN 0101 TAPAS (DFR/DR)

CAUDAL 28 CC

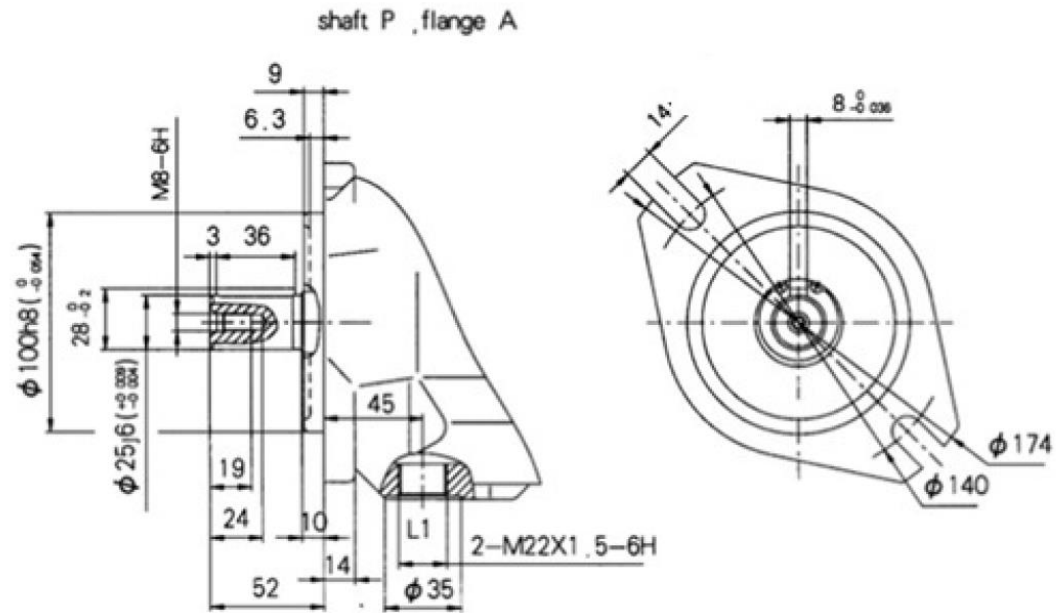


Mounting Dimension, sizes 28

BRIDAS



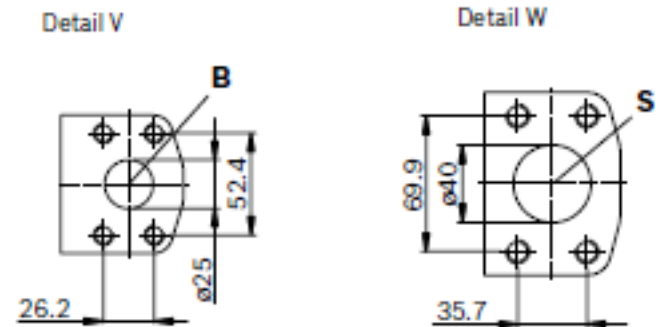
CAUDAL 45 CC



Mounting Dimension, sizes45



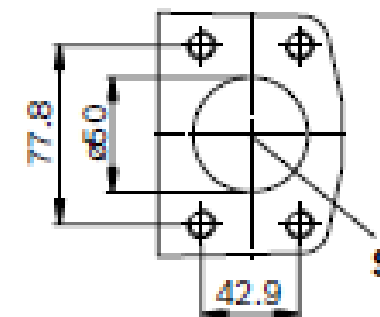
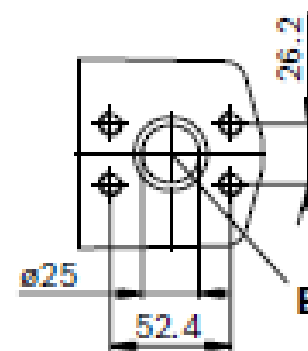
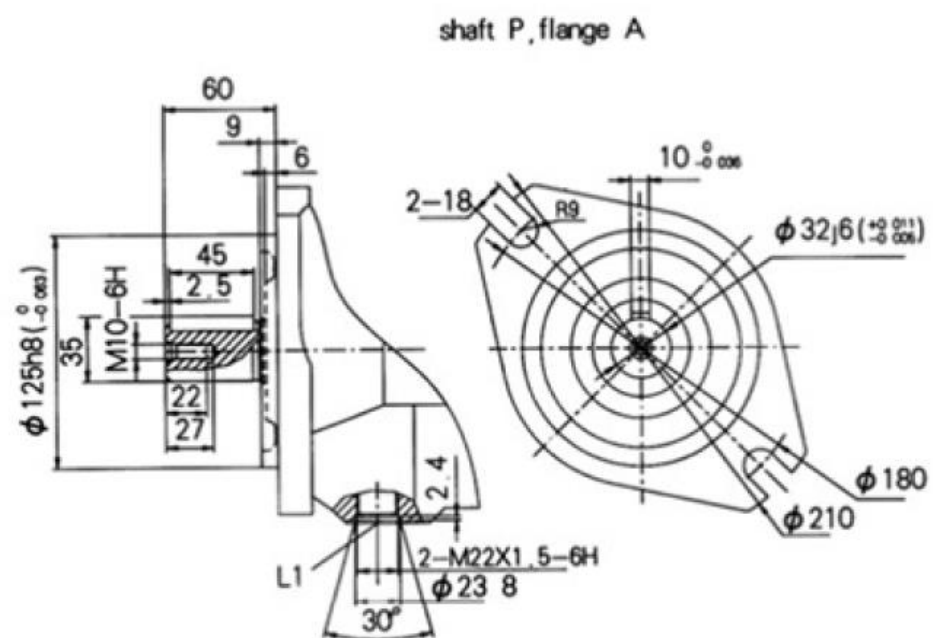
BRIDAS





CAUDAL 71 CC

BRIDAS



TIPO DFR

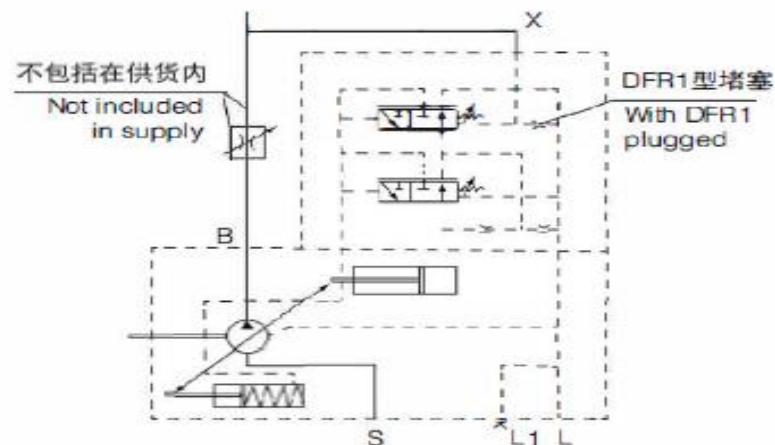
■ DFR/DFR1压力/流量控制 Pressure /flow control

除了压力控制功能之外，泵流量可通过传动装置(如节流孔)的压力差进行调节。

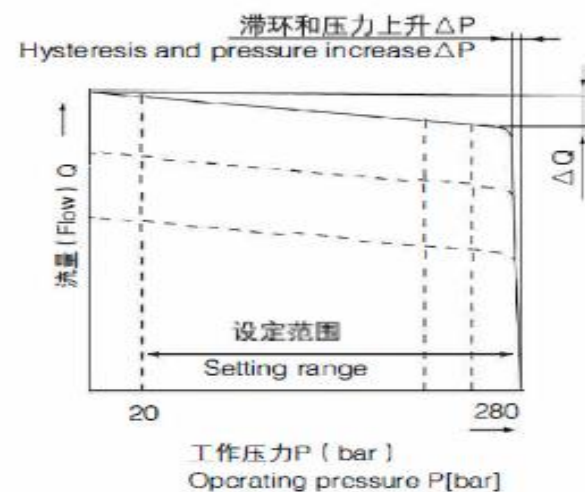
在型号DFR1中，节流孔X堵塞。

In addition to the pressure control function, the pump flow may be varied by means of a differential pressure at the actuator (e.g. an orifice).

In model DFR1 the X orifice is plugged.



静态特征 Static characteristic
(at $n_l = 1450 \text{ rpm}$; $t_{oil} = 50^\circ\text{C}$)



■ 油口 Ports

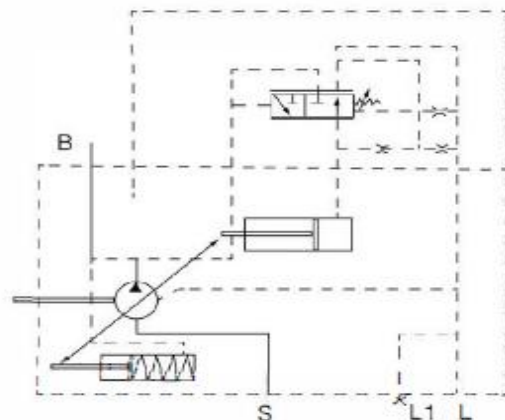
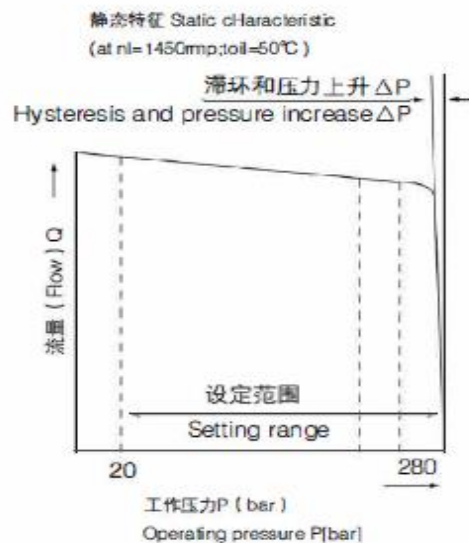
B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)
X	先导压力口 Pilot pressure port



DR压力控制 Pressure control

压力控制使在液压系统中维持一个恒定压力。该压力表泵的控制范围之内，泵因此只提供传动装置需要的液压油。先导阀的压力可无级调节。

The pressure control serves to maintain a constant pressure in the hydraulic system, within the control range of the pump. The pump therefore supplies only the amount of hydraulic fluid required by the actuators. Pressure may be smoothly set at the pilot valve.



油口 Ports

B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)

控制数据 Control data

滞环和重复精度 Δp 最大 3 bar
Hysteresis and repetitive accuracy Δp max. 3 bar

最大压力上升 Max. pressure increase

规格 Size		28	45	71	100
Δp	Bar	4	6	8	10

先导油耗 最大约 3 L/min
Pilot oil consumption max. approx. 3 L/min



Technical drawing of a mechanical assembly, likely a pump or motor, showing a cross-section. The drawing includes dimensions A3, A4, A5, and A6. A3 is the total height, A4 is the height of the upper section, A5 is the height of the lower section, and A6 is the total width. A dashed line indicates the axis of rotation.

规格28到100 Sizes 28 to 100

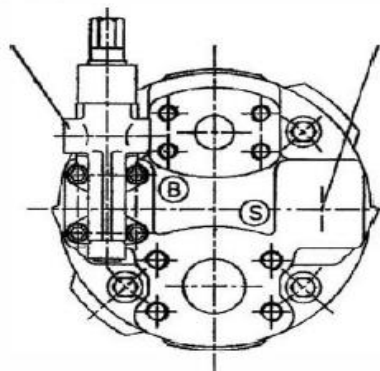
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DIMENSIONES TIPO DR

规格28到100 Sizes 28 to 100

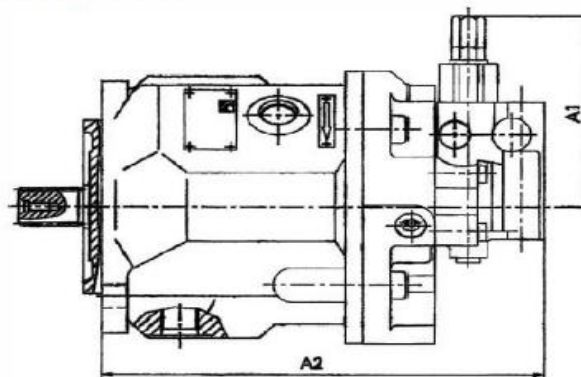
顺时针旋转时的安装位置

Mounting of pilot
valve for clockwise
direction of rotation



逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



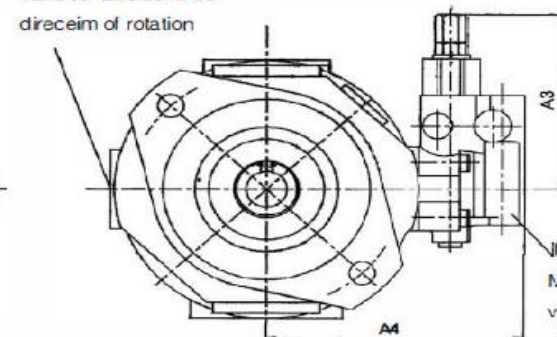
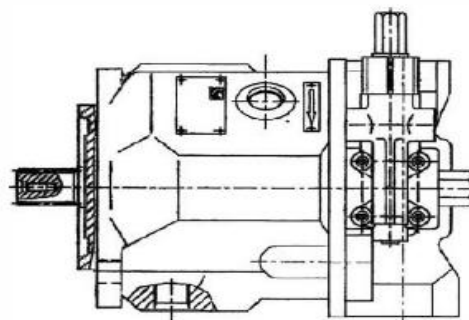
DR元件尺寸 Unit dimensions DR

工作油口在两侧, 型号62N00和12N00; Service ports on sides; Models 62N00 and 12N00

规格28到100 Sizes 28 to 100

逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



顺时针旋转时的安装位置
Mounting of pilot
valve for clockwise
direction of rotation

规格 Size	A1	A2	A3	A4
28	108.5	226.2	108.5	136
45	108.5	245	108.5	146
71	106	279	108.5	160
100	108.5	344	108.5	158
140				



REFERENCIAS

Tipo DFR

BPCV28DFR0202

BPCV45DFR0202

BPCV71DFR0202

Tipo DR

BPCV28DR0202

BPCV45DR0202

BPCV71DR0202

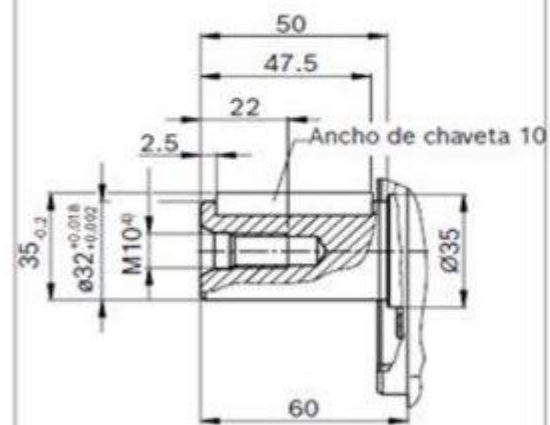


VERSIÓN 0202 EJES (DFR/DR)

BPCV71DFR0202

▼ Eje cilíndrico con chaveta (DIN 6885)

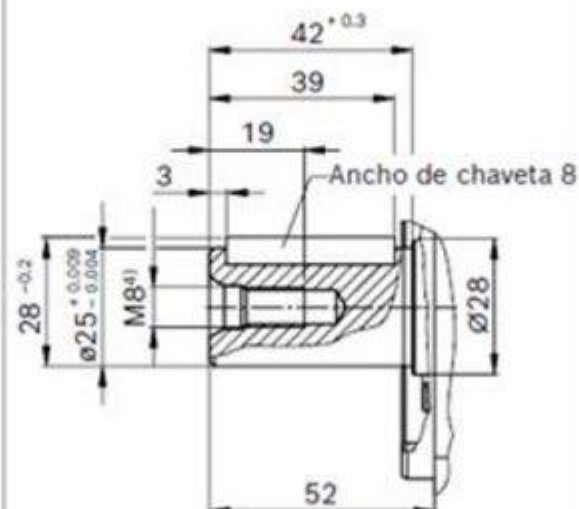
P – A10 × 8 × 45



BPCV45DFR0202

▼ Eje cilíndrico con chaveta (DIN 6885)

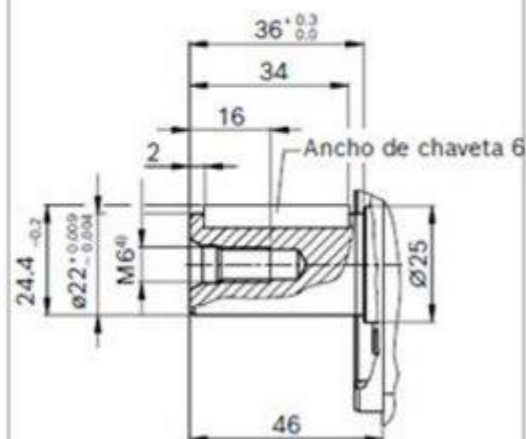
P – A8 × 7 × 36



BPCV28DFR0202

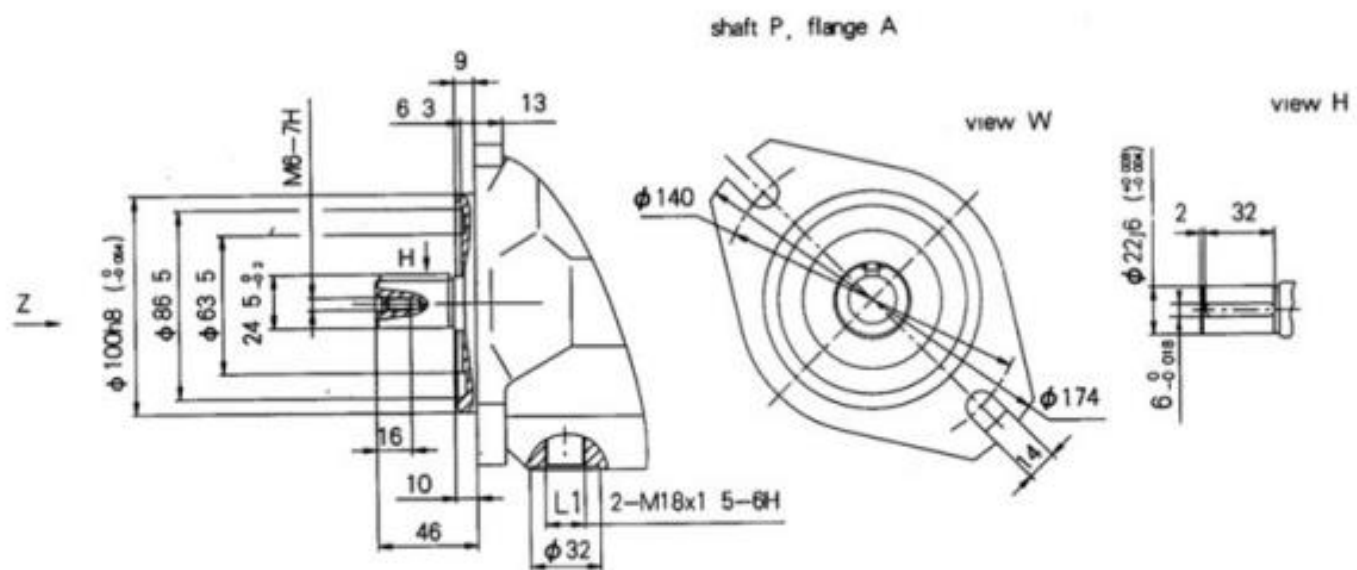
▼ Eje cilíndrico con chaveta (DIN 6885)

P – A6 × 6 × 32



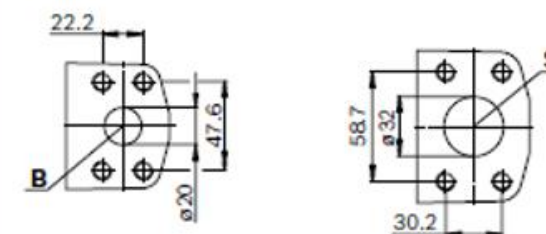
VERSION 0202 TAPAS (DFR/DR)

CAUDAL 28 CC

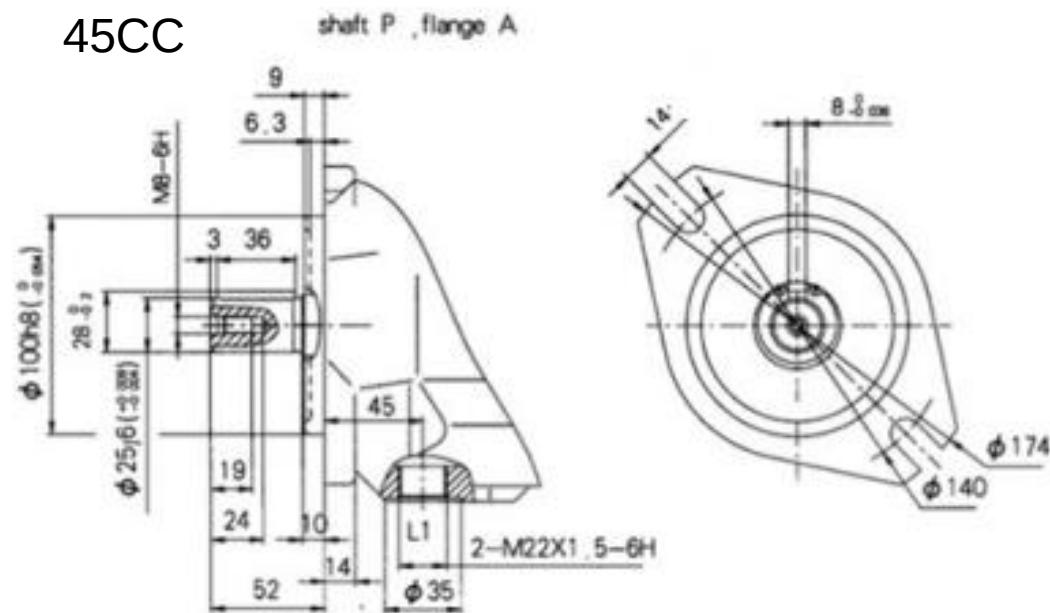


Mounting Dimension, sizes 28

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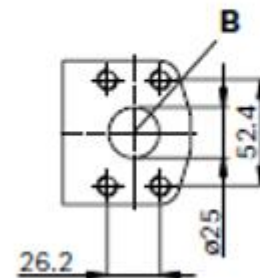
45CC



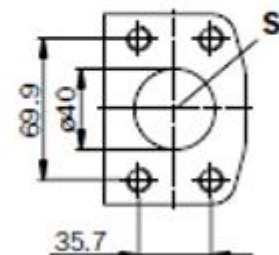
Mounting Dimension, sizes 45

BRIDAS

Detail V

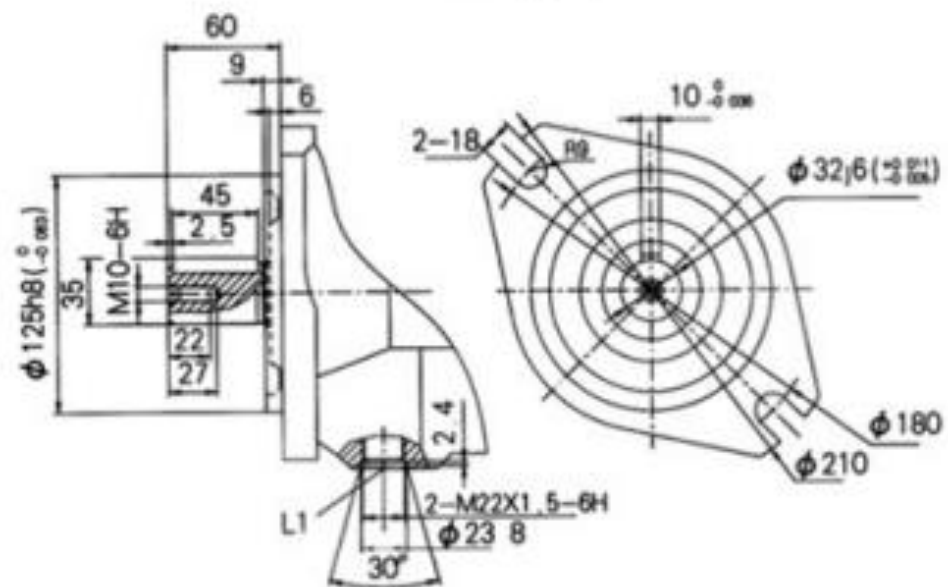


Detail W

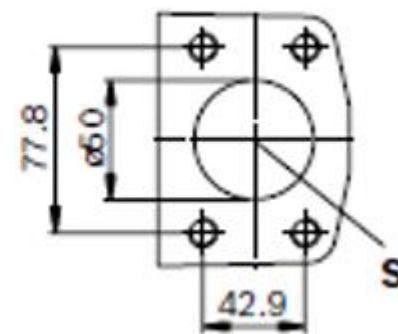
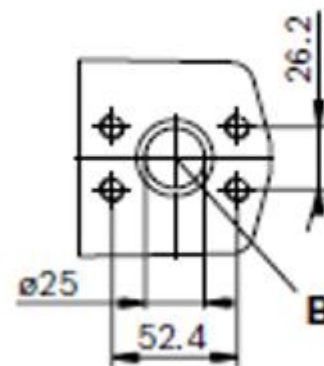


71CC

shaft P, flange A



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Technical drawing of a mechanical assembly, likely a pump or motor, showing a cross-section. The drawing includes various dimensions and labels: A3, A4, A5, A6, and X. A dashed line indicates the axis of rotation.

规格28到100 Sizes 28 to 100

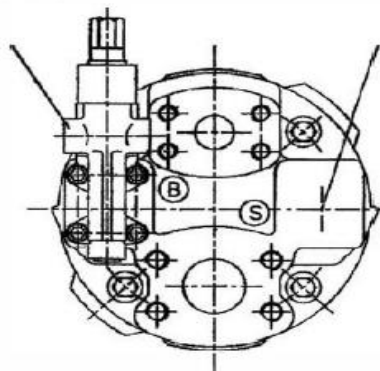
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DIMENSIONES TIPO DR

规格28到100 Sizes 28 to 100

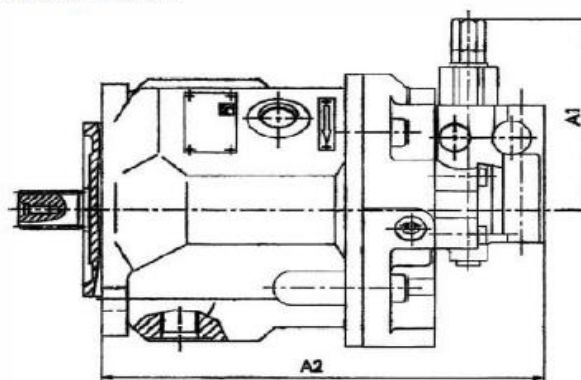
顺时针旋转时的安装位置

Mounting of pilot
valve for clockwise
direction of rotation



逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



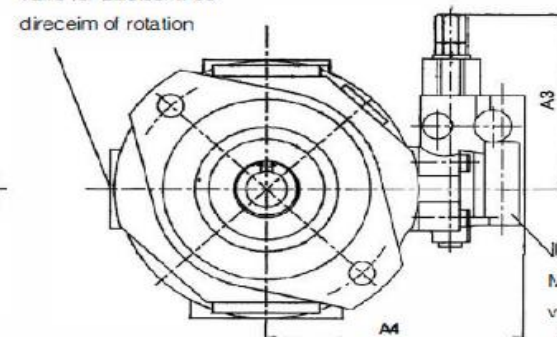
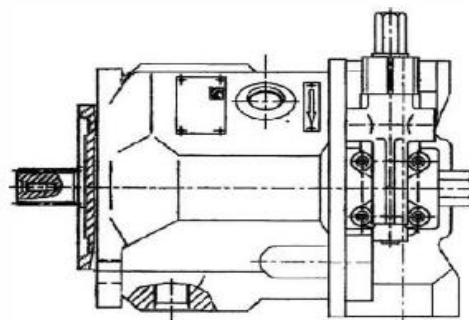
DR元件尺寸 Unit dimensions DR

工作油口在两侧, 型号62N00和12N00; Service ports on sides; Models 62N00 and 12N00

规格28到100 Sizes 28 to 100

逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



顺时针旋转时的安装位置
Mounting of pilot
valve for clockwise
direction of rotation

规格 Size	A1	A2	A3	A4
28	108.5	226.2	108.5	136
45	108.5	245	108.5	146
71	106	279	108.5	160
100	108.5	344	108.5	158
140				

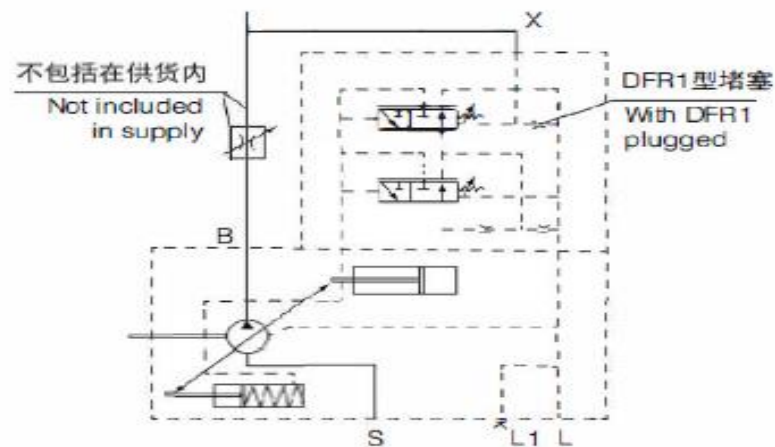
DFR/DFR1压力/流量控制 Pressure /flow control

除了压力控制功能之外，泵流量可通过传动装置(如节流孔)的压力差进行调节。

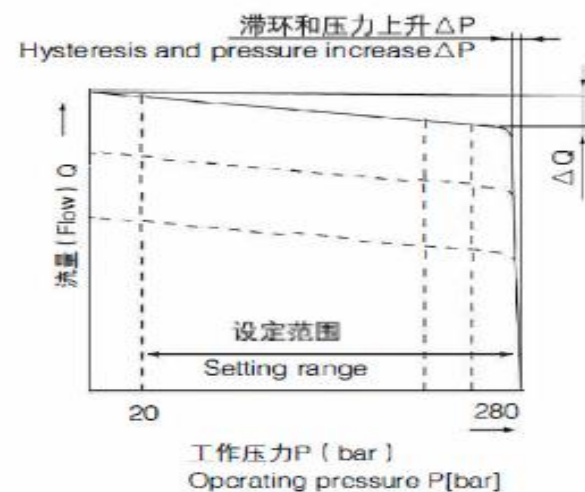
在型号DFR1中，节流孔X堵塞。

In addition to the pressure control function, the pump flow may be varied by means of a differential pressure at the actuator (e.g. an orifice).

In model DFR1 the X orifice is plugged.



静态特征 Static characteristic
(at $n_l=1450\text{rpm}$; $t_{oil}=50^\circ\text{C}$)



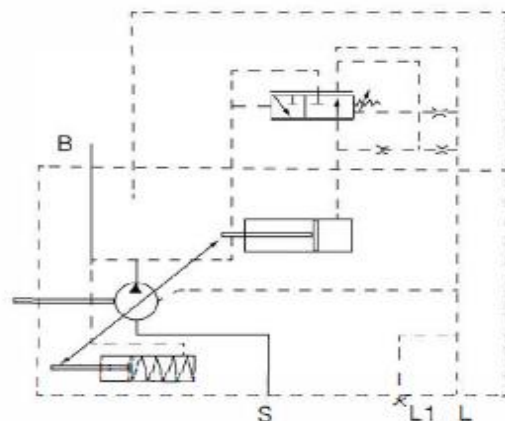
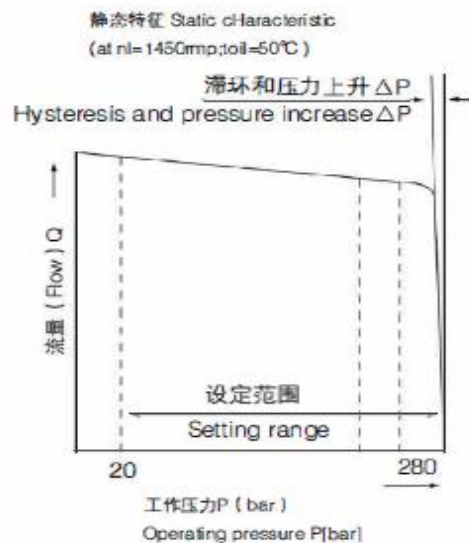
油口 Ports

B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)
X	先导压力口 Pilot pressure port

DR压力控制 Pressure control

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The pressure control serves to maintain a constant pressure in the hydraulic system, within the control range of the pump. The pump therefore supplies only the amount of hydraulic fluid required by the actuators. Pressure may be smoothly set at the pilot valve.



油口 Ports

B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)

控制数据 Control data

滞环和重复精度 Δp 最大 3 bar
Hysteresis and repetitive accuracy Δp max. 3 bar

最大压力上升 Max. pressure increase

规格 Size		28	45	71	100
Δp	Bar	4	6	8	10

先导油耗 最大约 3 L/min
Pilot oil consumption max. approx. 3 L/min

REFERENCIAS

Tipo DFR

BPCV28DFR0102

BPCV45DFR0102

BPCV71DFR0102

Tipo DR

BPCV28DR0102

BPCV45DR0102

BPCV71DR0102



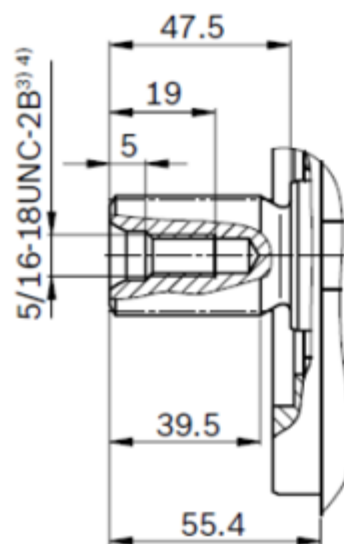
VERSIÓN 0102 EJES (DFR/DR)



▼ Splined shaft 1 1/4 in (SAE J744)

S - 14T 12/24DP¹⁾

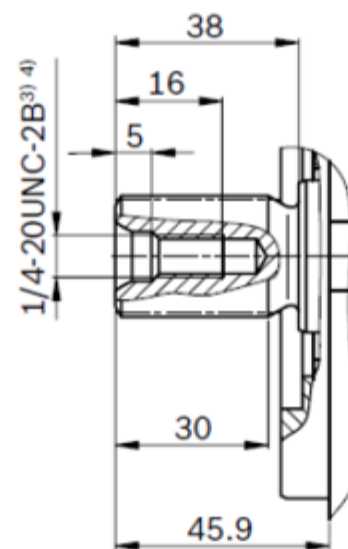
71CC



▼ Splined shaft 1 in (SAE J744)

S - 15T 16/32DP¹⁾

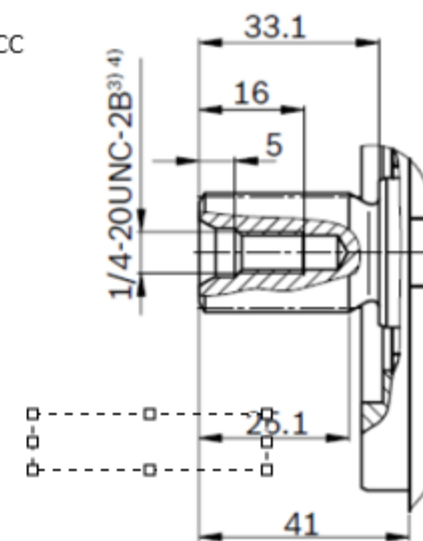
45CC



▼ Splined shaft 7/8 in (SAE J744)

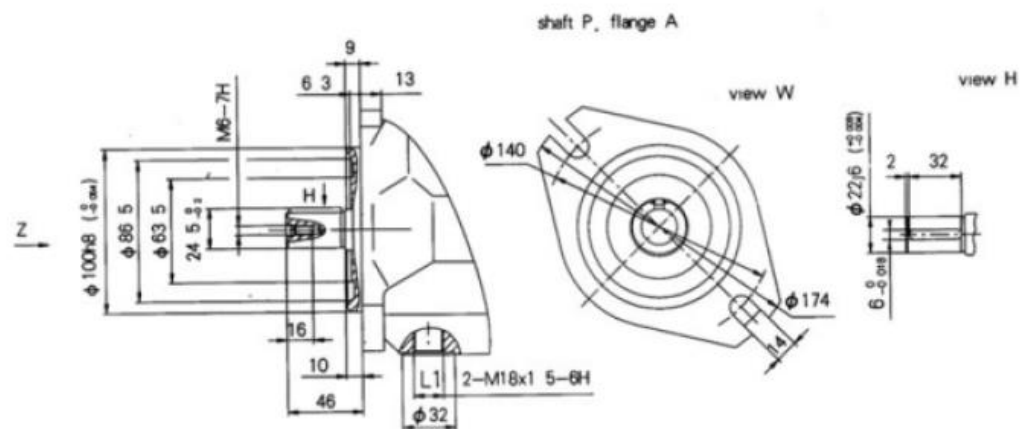
S - 13T 16/32DP¹⁾

28CC



VERSIÓN 0102 TAPAS (DFR/DR)

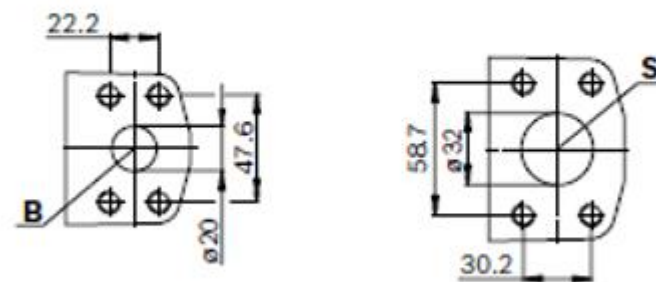
- 28 CC



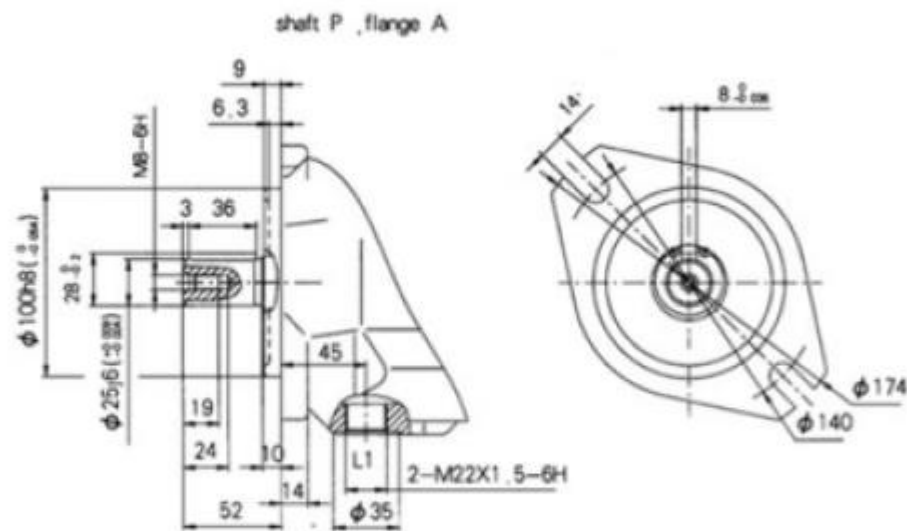
Mounting Dimension, sizes 28



BRIDAS



- 45CC

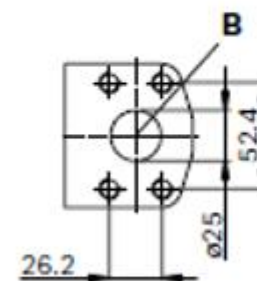


Mounting Dimension, sizes45

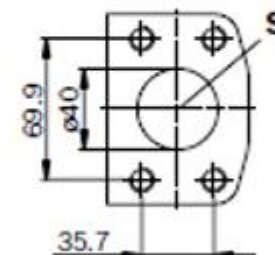


BRIDAS

Detail V

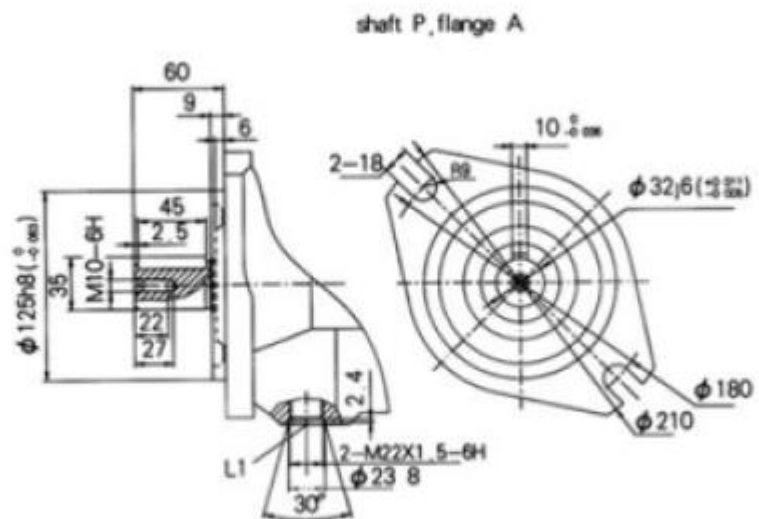


Detail W

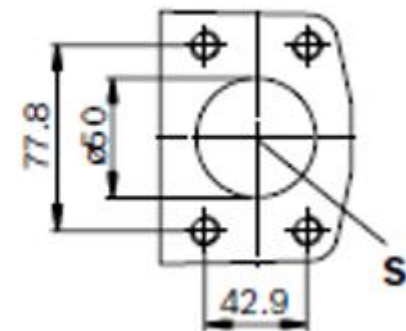
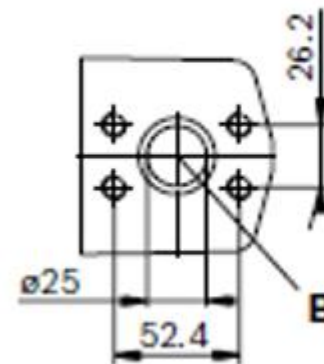


VERSIÓN 0102 TAPAS

- 71CC



BRIDAS



TIPO DFR

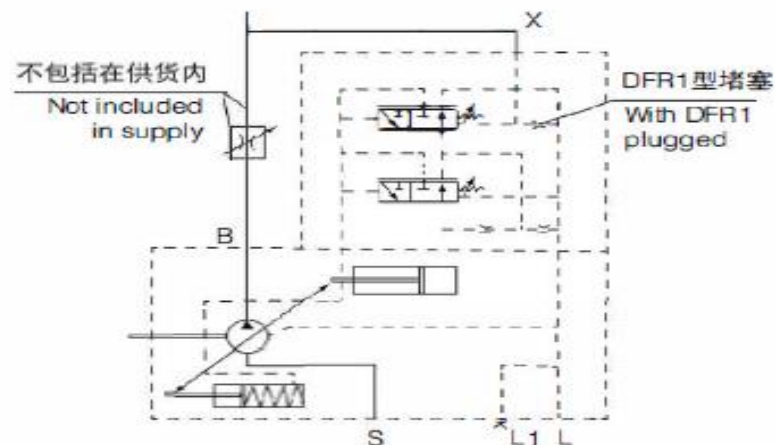
■ DFR/DFR1压力/流量控制 Pressure /flow control

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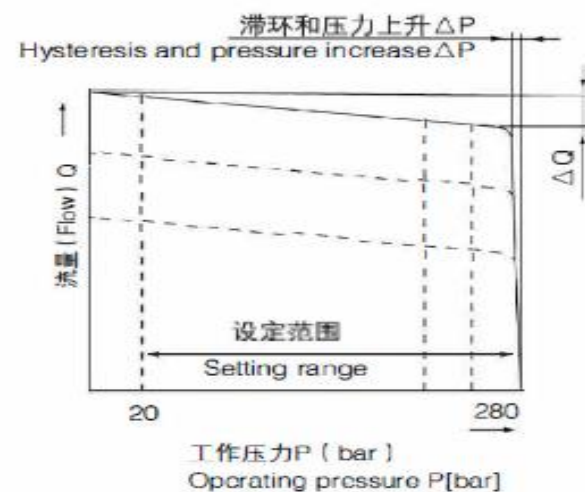
在型号DFR1中，节流孔X堵塞。

In addition to the pressure control function, the pump flow may be varied by means of a differential pressure at the actuator (e.g. an orifice).

In model DFR1 the X orifice is plugged.



静态特征 Static characteristic
(at $n_l=1450\text{rpm}$; $t_{oil}=50^\circ\text{C}$)



■ 油口 Ports

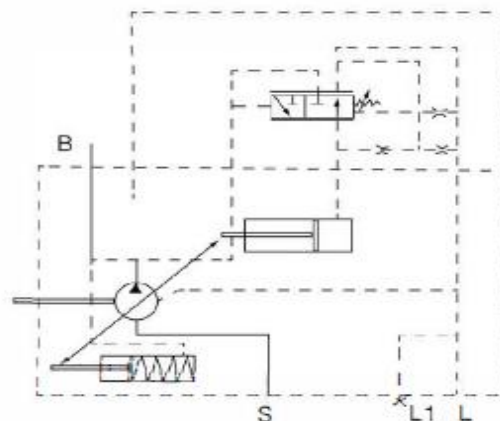
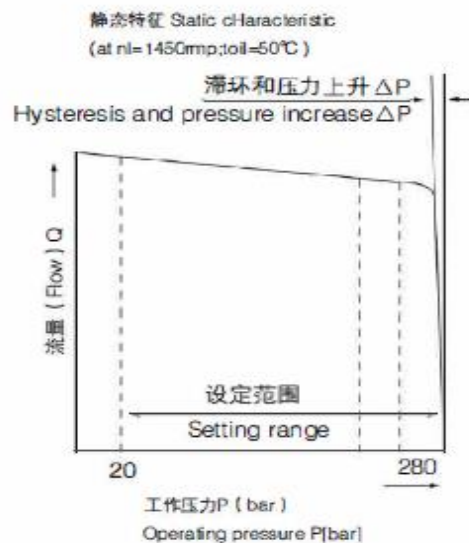
B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)
X	先导压力口 Pilot pressure port



DR压力控制 Pressure control

压力控制使在液压系统中维持一个恒定压力。该压力表泵的控制范围之内，泵因此只提供传动装置需要的液压油。先导阀的压力可无级调节。

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油口 Ports

B	压力油口 Pressure port
S	吸油口 Suction port
L, L1	壳体泄油口 (L1密封) Case drain ports (L1 sealed)

控制数据 Control data

滞环和重复精度 Δp 最大 3 bar
Hysteresis and repetitive accuracy Δp max. 3 bar

最大压力上升 Max. pressure increase

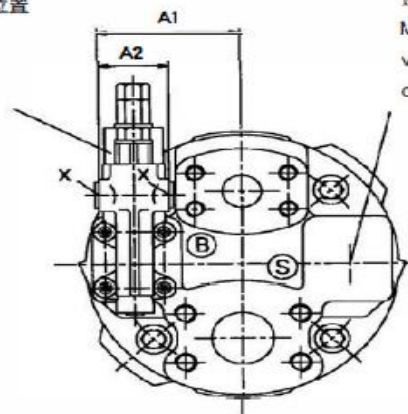
规格 Size		28	45	71	100
Δp	Bar	4	6	8	10

先导油耗 最大约 3 L/min
Pilot oil consumption max. approx. 3 L/min

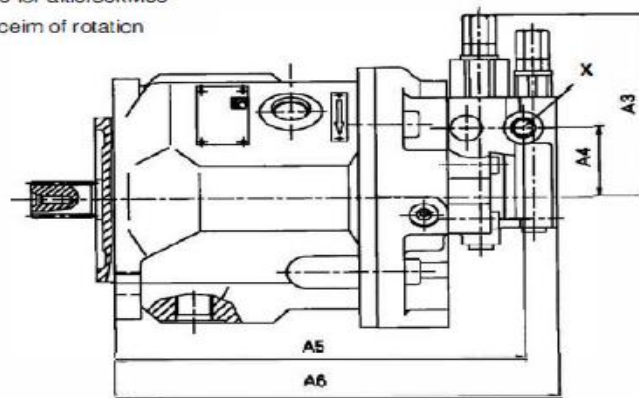


DIMENSIONES TIPO DFR

Mounting of pilot
valve for clockwise
direction of rotation

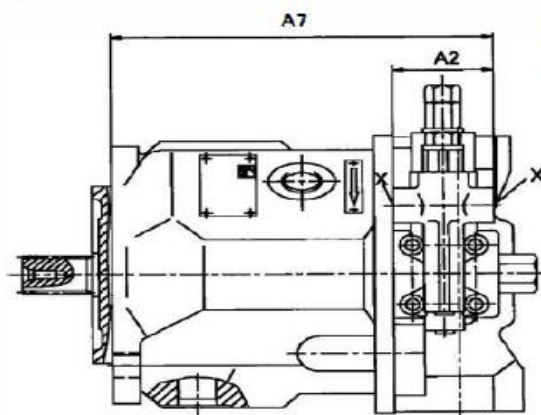


Mounting of pilot
valve for anticlockwise
direction of rotation

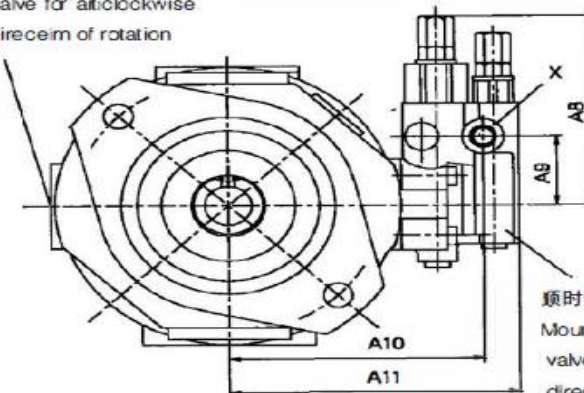


工作油口在两侧, 型号62N00和12N00; Service ports on sides; Models 62N00 and 12N00

规格28到100 Sizes 28 to 100



Mounting of pilot
valve for anticlockwise
direction of rotation



顺时针旋转时阀的安装位置
Mounting of pilot
valve for clockwise
direction of rotation

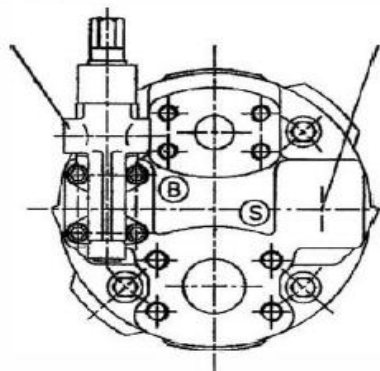
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DIMENSIONES TIPO DR

规格28到100 Sizes 28 to 100

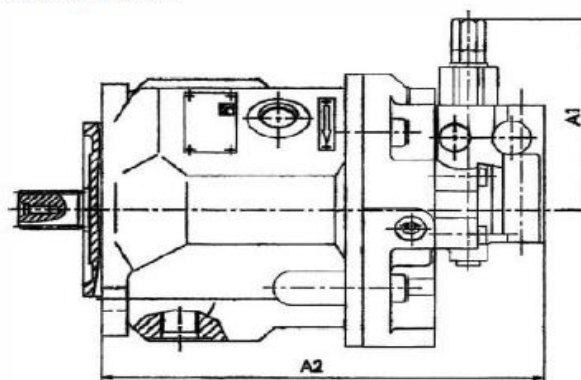
顺时针旋转时的安装位置

Mounting of pilot
valve for clockwise
direction of rotation



逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



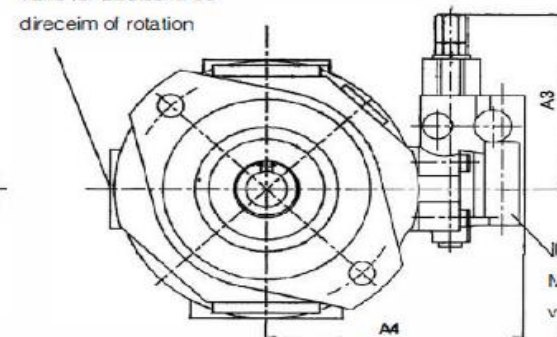
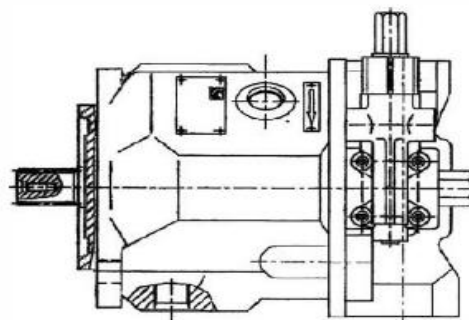
DR元件尺寸 Unit dimensions DR

工作油口在两侧, 型号62N00和12N00; Service ports on sides; Models 62N00 and 12N00

规格28到100 Sizes 28 to 100

逆时针旋转时的安装位置

Mounting of pilot
valve for anticlockwise
direction of rotation



顺时针旋转时的安装位置
Mounting of pilot
valve for clockwise
direction of rotation

规格 Size	A1	A2	A3	A4
28	108.5	226.2	108.5	136
45	108.5	245	108.5	146
71	106	279	108.5	160
100	108.5	344	108.5	158
140				