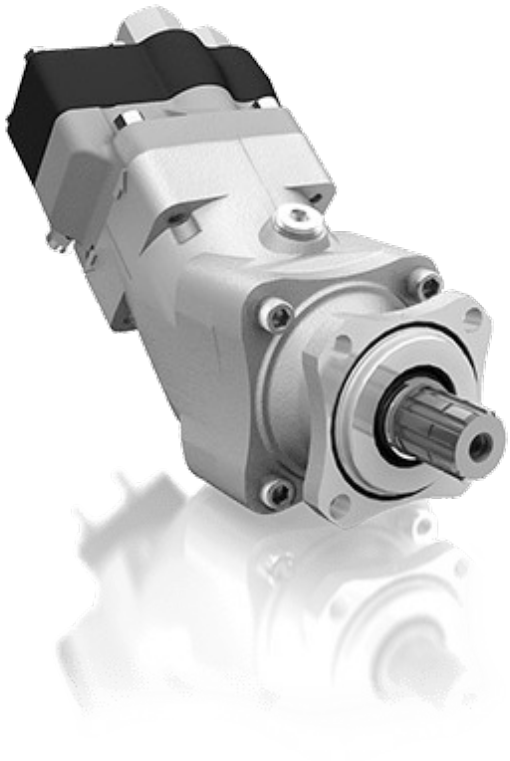
SCPD 56/26 DIN BY-PASS



With two separate flows and a directly mounted By-Pass valve, the Sunfab's SCPD 56/26 By-Pass DIN is the most flexible compact fixed flow pump on the market.

SCPD 56/26 DIN By-Pass is ideal for combination vehicles which require different flows and where there is a need to operate equipment while moving. The pump is primarily intended for engine-mounted power take-offs.

The constant engagement is made possible by the By-Pass valve, which immediately relieves the load on the pump and power take-off when oil is not required. The pressure drop of the By-Pass valve is very low, so its function is energy efficient.

Other advantages:

- The By-Pass valve can relieve the load from full operating pressure of 400 bar, which allows emergency stop function
- The valve´s 24 V solenoids have integrated electrical cables which meet protection class ADR

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Versions, main data

Example

SC	PD	-	56/26	L	-	V	-	DL4	-	L35	-	S0	S	-	2	00
Line	1		2	3		4		5		6		7	8		9	10

Line

SC	Sunfab Compact, bent-axis design

1. Type

PD	Dual flow pump

2. Displacement

	56/26

3. Direction of rotation

L	Left
R	Right

4. Sealing

V	FPM

5. Mounting flange

DL4	DIN 4-h (ISO 76530)

6. Shaft

L35	DIN 5462/ISO14

7. Connection cover

S0	Sunfab standard

8. Connections

S	Sunfab standard

9. Additional

2	Optimised

10. Accessories

00	No accessories available

Double by-pass valve Art. no 20536 is ordered seperately.

X = Standard, preferred
(X) = Available, option
O = Contact Sunfab

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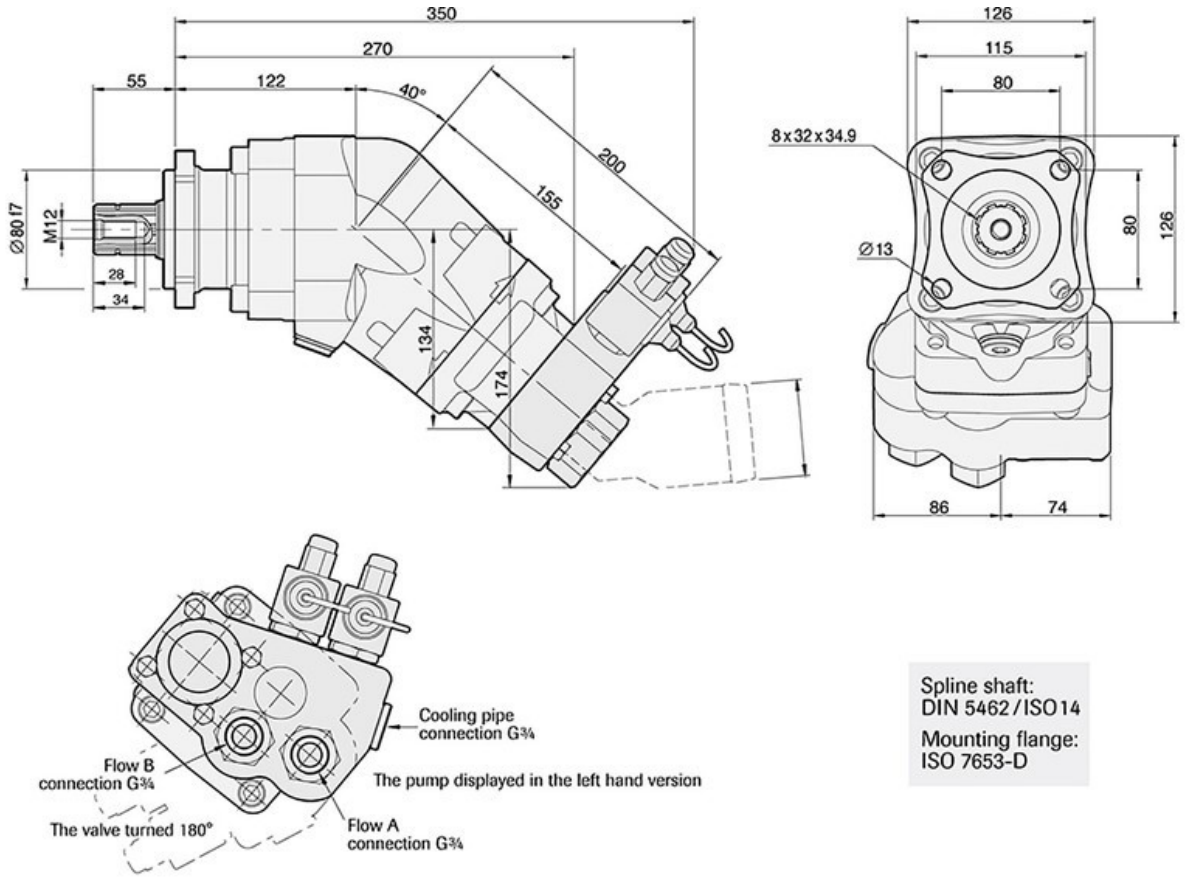
SCPD 56/26 DIN By-Pass

Theoretical oil flow A+B		rpm	l/min		
at pump speed		600	34 + 16 = 50		
		1000	56 + 26 = 82		
		1200	67 + 31 = 98		
		1500	84 + 39 = 123		
		1800	101 + 47 = 148		
Displacement A+B	cm^3/rev	56.0 + 26.1			
Max pump speed A+B	rpm	1850			
Max pump speed A	rpm	1850			
Max pump speed B	rpm	2200			
Max pump speed, relieved	rpm	2700			
Max working pressure	Bar	400			
Weight without valve	kg	18.0			
Weight with valve	kg	22.5			
Tare-weight torque without valve	Nm	21.0			
Tare-weight torque with valve	Nm	25.5			
Theoretical power at pressure and pump speed		rpm	200 Bar	300 Bar	400 Bar
		600	11.2 + 5.2 = 16.4 kW	16.8 + 7.8 = 24.6 kW	22.4 + 10.4 = 32.8 kW
		1200	22.4 + 10.4 = 32.8 kW	33.6 + 15.6 = 49.2 kW	44.8 + 20.8 = 65.6 kW
		1800	33.6 + 15.6 = 49.2 kW	50.4 + 23.4 = 73.8 kW	67.2 + 31.2 = 98.4 kW
Theoretical torque on pump shaft at different pressures			200 Bar	300 Bar	400 Bar
			178 + 83 = 261 Nm	267 + 124 = 391 Nm	356 + 165 = 521 Nm
Direction of rotation	Left (L) or Right (R)				



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WARNING!

When the pump is running:

1. Do not touch the pressure hose
2. Watch out for rotating parts
3. The pump and hoses may be hot

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