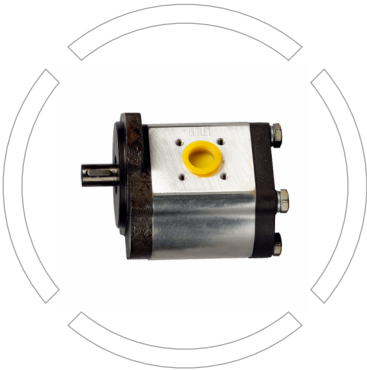


Type TPF2G3-M

High pressure gear pump
Flow 20 to 71cc
Maximum operating pressure 250bar



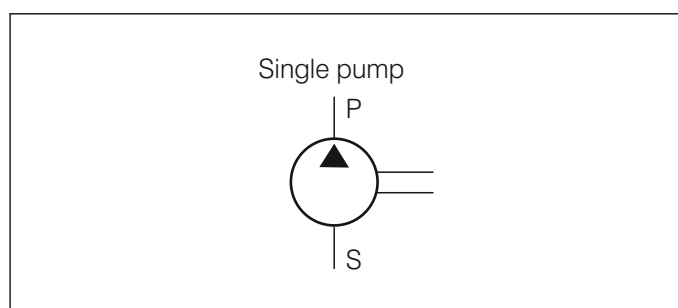
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• Unit dimensions TPF2G3	03
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• Performance data, Dimensions and port details	04
• Unit dimensions TPF2G3	04
• Drive shaft	05
• Port details	05
• Performance data, Dimensions and port details	06



Features

- Unique sealing design to operate up to 270 bar continuous
- Special alloy bush with unique lock design for maximum rigidity
- Modified gear tooth to lower operating torque
- 100% testing on computerised test bench
- Long service life
- Pumps in "V" option available to operate up to -10°C and +120°C
- Completely manufactured on CNC machines
- Threaded and flange port available
- Covers applications for high pressures, substituting costly piston pumps depending on application
- New principal of hydrostatic gap compension
- Double pumps available check with us.

Symbol



Ordering code

TPF2G3-M		1X/							*
Series 11 to 19									Further details Series 11 to 19
Flow cc/rev.									No code = Single pump
20cc	= 020								S = Rectangular flange, dia 50.8mm spigot
22cc	= 022								B = SAE-A, 2 hole flange, dia 101.6mm spigot
26cc	= 026								
33cc	= 033								
39cc	= 039								
46cc	= 046								V = FKM Seals up to +120°C
50cc	= 050								M = NBR Seals up to +80°C
52cc	= 052								
55cc	= 055								
63cc	= 063								01 = "G" BSP Thread ports as per ISO 228/1 (on request consult)
71cc	= 071								05 = "E" flange on suction and delivery ports
Rotation									07 = SAE flange on suction and delivery ports
Clockwise rotation	= R								
Anti-clockwise	= L								

Permissible torque at drive shaft:

R= Splined shaft SAE-A 7/8", $T_{max} = 500 \text{ Nm}$
A= Parallel keyed shaft 22.22mm, $T_{max} = 400 \text{ Nm}$
C= Conical shaft 1:8, dia 21.6mm, $T_{max} = 300 \text{ Nm}$

Available flange & shaft combinations

Cylindrical shaft 22.22mm
Tapered shaft 21.6mm
Splined shaft SAE-B, 7/8", 13t
Cylindrical shaft 22.22mm

"A" + Rectangular flange
"C" + Rectangular flange
"R" + SAE-A, 2-bolt flange
"A" + SAE-A, 2-bolt flange

"B" + 50.8mm spigot
"B" + 50.8mm spigot
"R" + 101.6mm spigot
"R" + 101.6mm spigot

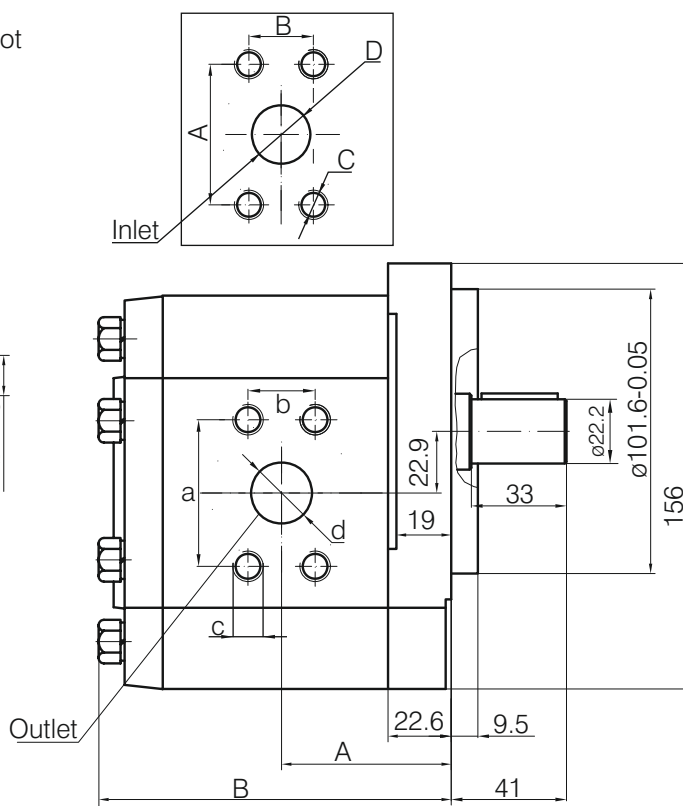
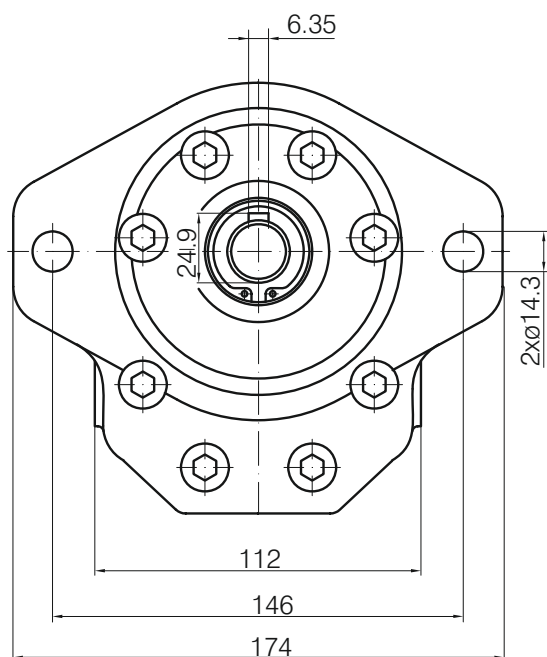


Unit dimensions TPF2G3

(dimensions in mm)

"B"

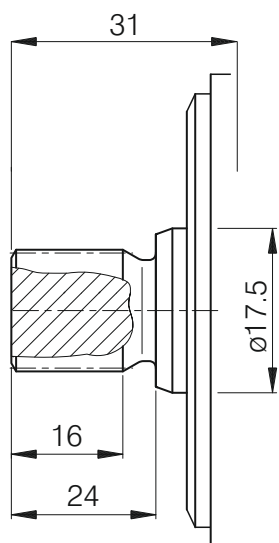
SAE-A, 2 bolt mounting flange, 101.6mm dia spigot



Port details

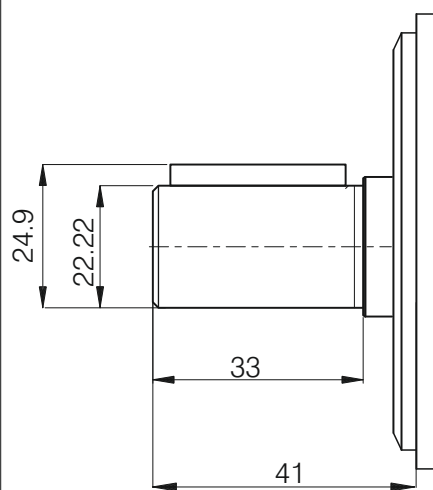
"R"

Splined shaft SAE-B 7/8"
(13 teeth 16/32DP)



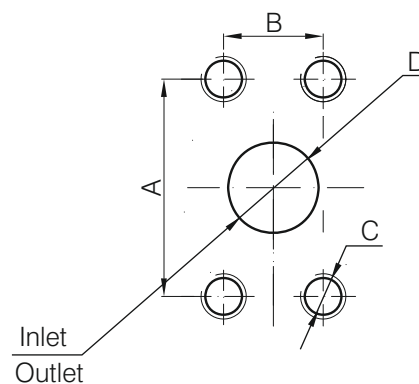
"A"

Parallel keyed shaft



"07"

SAE Flange ports on suction and delivery





Performance data, Dimensions and port details

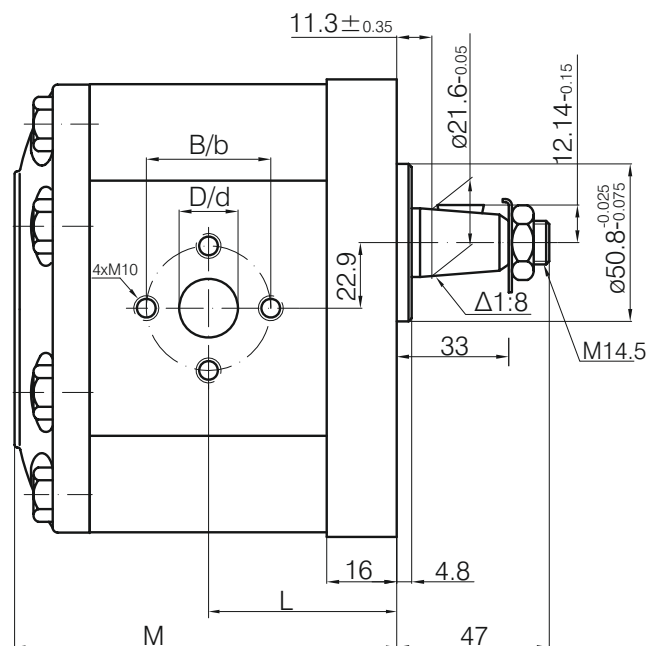
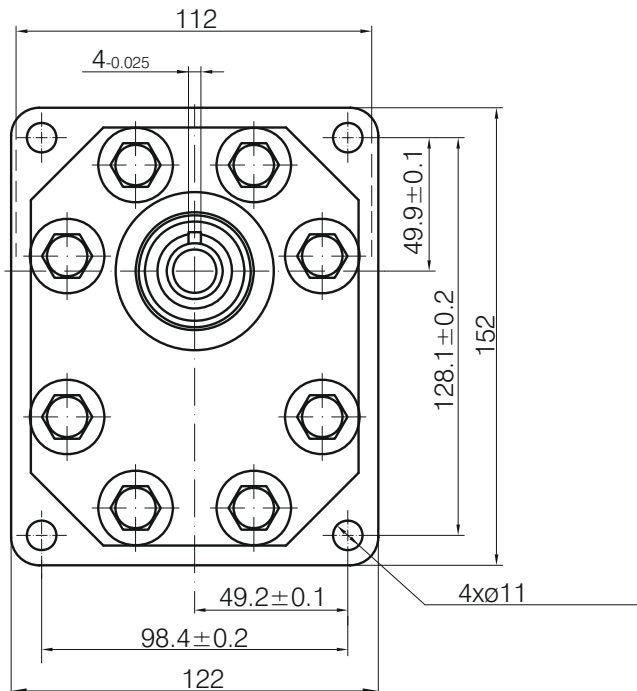
Type	Flow cc/rev	Max pressure			Max speed r/min	Min speed r/min	Dimensions								
		P1	P2	P3			M	L	A	B	C	D	a	b	d
		bar	bar	bar			mm	mm	mm	mm	mm	mm	mm	mm	mm
TPF2G3-20.00	20	250	265	280	3500	600	128	63	52.4	26.2	3/8"	27	47.6	22.2	19
TPF2G3-22.00	22						130	64							
TPF2G3-26.00	26						133	65							
TPF2G3-33.00	33	230	250	270	3000	500	139	68							
TPF2G3-39.00	39						146	72							
TPF2G3-46.00	46						152	75							
TPF2G3-50.00	50	220	240	260			156	77	58.7	30.2	7/16"	33	52.4	26.2	27
TPF2G3-52.00	52						158	78							
TPF2G3-55.00	55	200	230	250	2800	400	160	79							
TPF2G3-63.00	63						168	83							
TPF2G3-71.00	71						175	86							

Unit dimensions TPF2G3

(Dimension in mm)

"R"

SAE-A, 2 bolt mounting flange, 82.55mm dia spigot

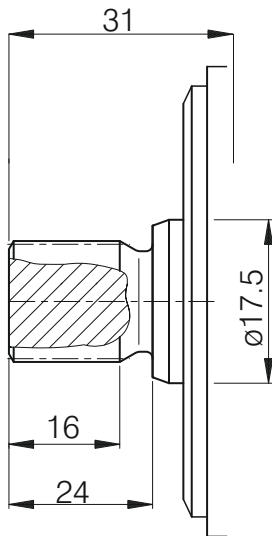




Drive shaft

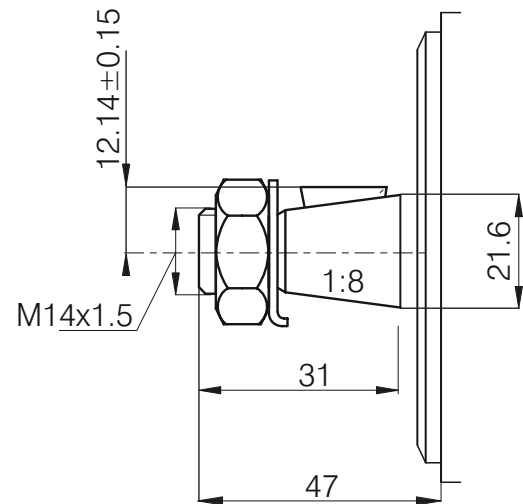
“R”

Splined shaft SAE-B (13 teeth 16/32DP)



“C”

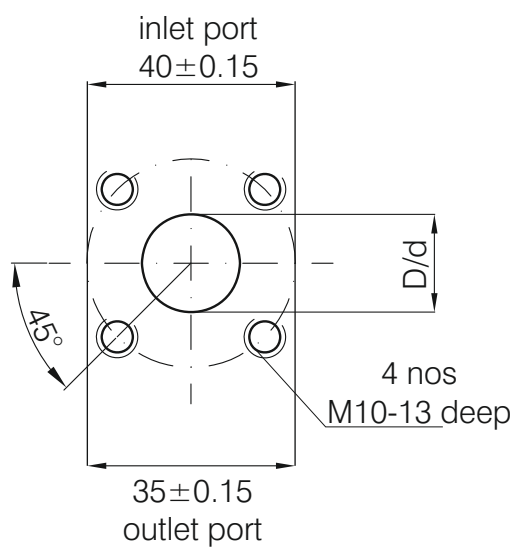
Conical shaft 1:8, dia 21.6mm



Port details

“E”

Flange ports on suction and delivery





Performance data, Dimensions and port details

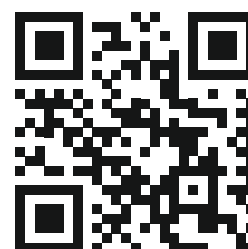
Type	Flow cc/rev	Max pressure			Max speed r/min	Min speed r/min	Dimensions							
		P1	P2	P3			M	L	A	B	C	D		
		bar	bar	bar			mm	mm	mm	mm	mm	mm		
TPF2G3-20.00	20	250	265	280	3500	600	128	63	56	27	56	19		
TPF2G3-22.00	22						130	64						
TPF2G3-26.00	26						133	65						
TPF2G3-33.00	33	230	250	270	3000	500	139	68						
TPF2G3-39.00	39						146	72						
TPF2G3-46.00	46						152	75						
TPF2G3-50.00	50	220	240	260			156	77						
TPF2G3-52.00	52						158	78						
TPF2G3-55.00	55	200	230	250	2800	400	160	79	62	33	62	27		
TPF2G3-63.00	63						168	83						
TPF2G3-71.00	71						180	200					200	2500

The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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