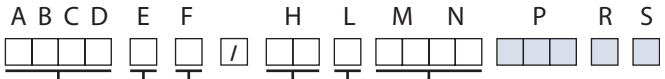
Model Code

MODEL CODE



Type
- **SNP 2** = Standard Gear Pump
- **SKP 2** = High Torque Gear Pump
- **SHP 2** = High Pressure Gear Pump
- **SNI 2** = Gear Pump with Internal Drain Relief Valve
- **SNE 2** = Gear Pump with External Drain Relief Valve

Valve (omit when not used)
- **U** = Priority Flow Divider with Pilot Relief Valve
- **L** = Priority Flow Divider with Pilot Relief Valve and Static Load Sensing
- **N** = Priority Flow Divider with Pilot Relief Valve and Dynamic Load Sensing
- **P** = Priority Flow Divider with Full Flow Relief Valve
- **R** = Priority Flow Divider with Full Flow Relief Valve and Static Load Sensing
- **V** = Priority Flow Divider with Full Flow Relief Valve and Dynamic Load Sensing

Valve Port Position (omit when not used)
- **S** = Side Ports
- **F** = Rear Ports

Displacement – cm^3/rev [in^3/rev]
- **4** = 3.9 [0.24]
- **6** = 6.0 [0.37]
- **8** = 8.4 [0.51]
- **11** = 10.8 [0.66]
- **14** = 14.4 [0.88]
- **17** = 16.8 [1.03]
- **19** = 19.2 [1.17]
- **22** = 22.8 [1.39]
- **25** = 25.2 [1.54]

Direction of Rotation
- **D** = Right (Clockwise)
- **S** = Left (Anti-clockwise)

Input Shaft / Mounting Flange / Port Configuration

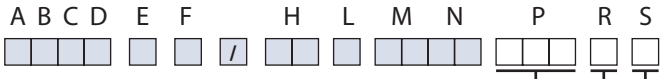
CO Tapered shafts, 1:5 or 1:8
- **CO01** = 1:8 tapered shaft / European four bolt flange / European flanged ports
- **CO02** = 1:5 tapered shaft / German four bolt PTO flange / German standard ports
- **CO04** = 1:5 tapered shaft / German two bolt PTO flange (Deutz) / German standard ports
- **CO05** = 1:5 tapered shaft / German two bolt PTO flange (Deutz) / German standard ports
- **CO09** = 1:8 tapered shaft / Perkins 4.236 timing case flange / European flanged ports
- **CO09** = (variant BBM) 1:8 tapered shaft / Perkins 900 series flange / German standard ports
- **CO0B** = 1:8 tapered shaft / Perkins 1000 series left side PTO flange / European flanged ports
- **CO91** = (variant LBD) 1:8 tapered shaft / European four bolt flange / European flanged ports / equipped with outrigger bearing
- **CO94** = 1:5 tapered shaft / German two bolt PTO flange (Deutz) / German standard ports / equipped with outrigger bearing

CI Parallel shafts, 15mm or 15.875mm
- **CI01** = 15mm [0.591 in] parallel shaft / European four bolt flange / European flanged ports
- **CI06** = 15.875mm [0.625 in] parallel shaft / SAE "A" flange / SAE O-ring boss ports
- **CI96** = (variant LEP) 19.05mm [0.750 in] parallel shaft / SAE "A" flange / SAE O-ring boss ports / equipped with outrigger bearing

SC Splined shafts, DIN B17x14, SAE 9T 16/32p, or SAE 11T 16/32p (SKP 2 only)
- **SC01** = DIN splined shaft / European four bolt flange / European flanged ports
- **SC02** = DIN splined shaft / German four bolt PTO flange / German standard ports
- **SC04** = DIN splined shaft / German two bolt PTO flange (Deutz) / German standard ports
- **SC05** = DIN splined shaft / German two bolt PTO flange (Deutz) / German standard ports
- **SC06** = SAE splined shaft / SAE A flange / SAE O-ring boss ports
- **SC36** = SAE splined shaft / SAE A flange plus SAE A auxiliary mounting pad / SAE O-ring boss ports

FR Sauer-Danfoss tang shaft
- **FR03** = Sauer-Danfoss tang shaft / flanged for multiple configuration / German standard ports

MODEL CODE (continued)



Variant Code (Three letter code describes valve settings or other variants to standard configuration)

BBM	=	Variation on 09 flange to accommodate Perkins 900 series engine mounting
LEP	=	Variant on standard straight shaft used with CI96 outrigger bearing option
LBD	=	Variant on standard tapered shaft used on CO91 outrigger bearing option

U ** Integral flow divider

Pressure setting at controlled flow – bar [psi]

L	=	60 [870]	**T**	=	140 [2031]
M	=	70 [1015]	**C**	=	150 [2176]
N	=	80 [1160]	**U**	=	160 [2321]
O	=	90 [1305]	**D**	=	170 [2466]
P	=	100 [1450]	**V**	=	180 [2611]
Q	=	110 [1595]	**E**	=	190 [2756]
R	=	120 [1740]	**X**	=	200 [2901]
S	=	130 [1885]			

Controlled flow – l/min [US gal/min]

M	=	8 [2.11]	**J**	=	18 [4.75]
F	=	10 [2.64]	**Q**	=	20 [5.28]
N	=	12 [3.17]	**K**	=	22 [5.81]
O	=	14 [3.70]	**R**	=	24 [6.34]
P	=	16 [4.23]	**I**	=	26 [6.86]

V ** Integral relief valve

Pressure setting – bar [psi]

A	=	No setting	**O**	=	90 [1305]
B	=	No valve	**P**	=	100 [1450]
C	=	18 [261]	**Q**	=	110 [1595]
D	=	25 [363]	**R**	=	120 [1740]
E	=	30 [435]	**S**	=	130 [1885]
F	=	35 [508]	**T**	=	140 [2031]
G	=	40 [580]	**U**	=	160 [2321]
K	=	50 [725]	**V**	=	170 [2466]
L	=	60 [870]	**W**	=	180 [2611]
M	=	70 [1015]	**X**	=	210 [3046]
N	=	80 [1160]	**Z**	=	250 [3626]

Pump speed for relief valve setting – min^{-1} (rpm)

A	=	Not defined
C	=	500
E	=	1000
F	=	1250
G	=	1500
K	=	2000
I	=	2250
L	=	2500
M	=	2800
N	=	3000
O	=	3250

Version (Value representing a change to the initial project)

.	=	Initial project
1..9 A..Z	=	Reserved to

Port Type (If other than standard)

.	=	Standard port for the flange type specified
B	=	Flanged port with threaded holes in "X" pattern (German standard ports), centered on the body
C	=	Flanged port with threaded holes in "+" pattern (European Standard)
E	=	Threaded SAE o-ring boss port
F	=	Threaded Gas port (BSP)
G	=	Flanged port with threaded holes in "X" pattern (German standard ports), offset from center of body