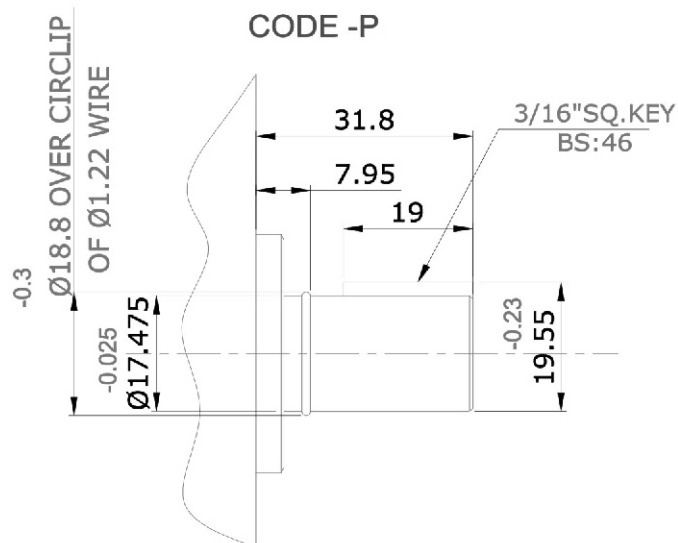
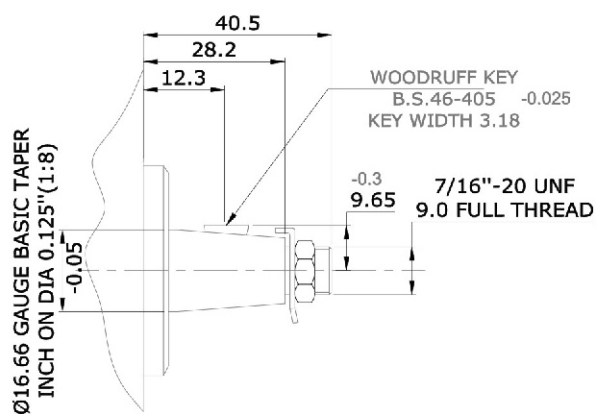


GROUP 1P

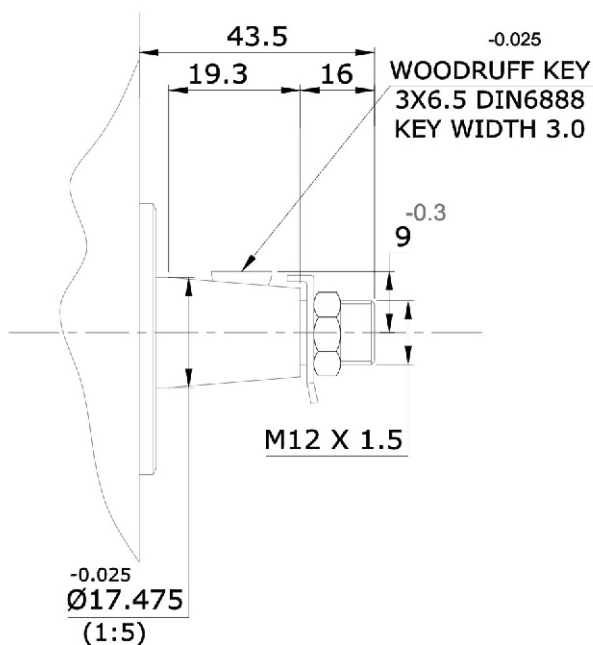
DRIVE SHAFT



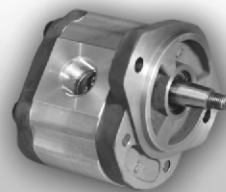
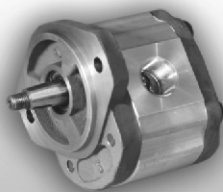
CODE - T



CODE - K



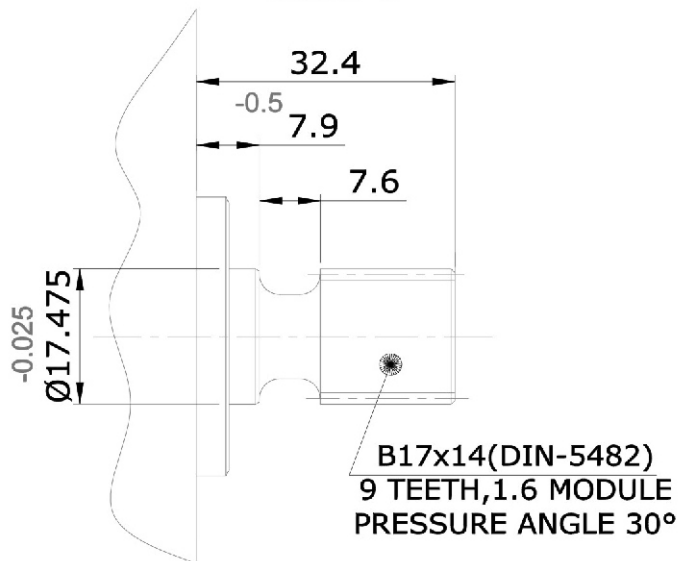
ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



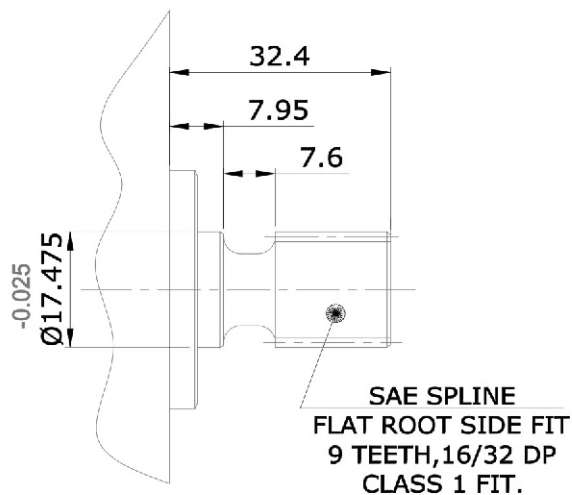
GROUP 1P

DRIVE SHAFT

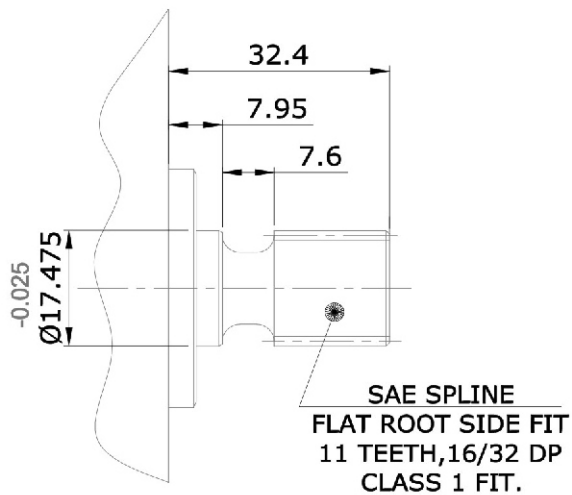
CODE -D



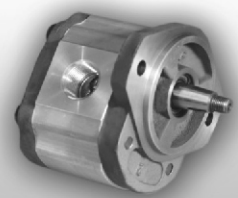
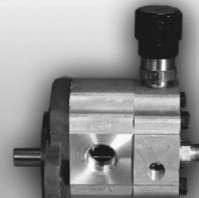
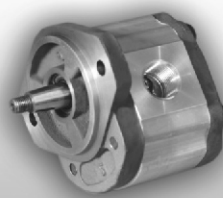
CODE -S



CODE -G



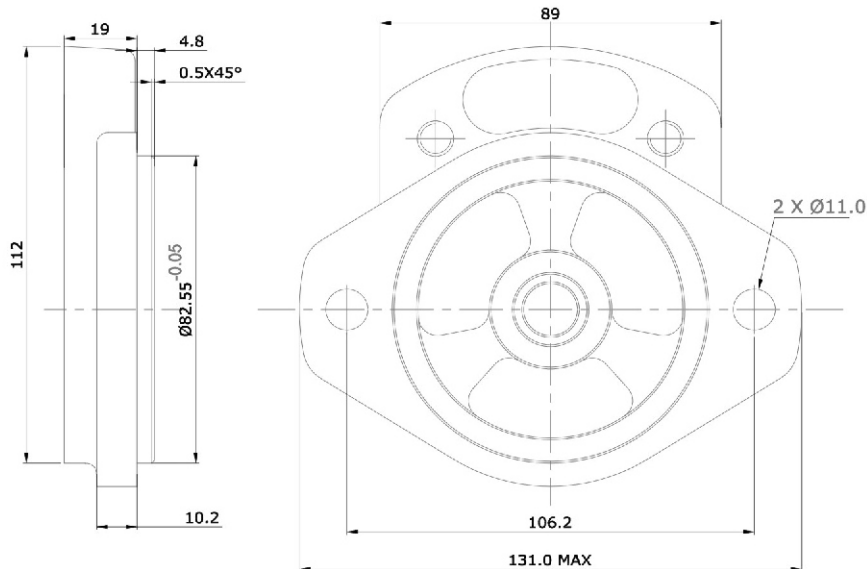
ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



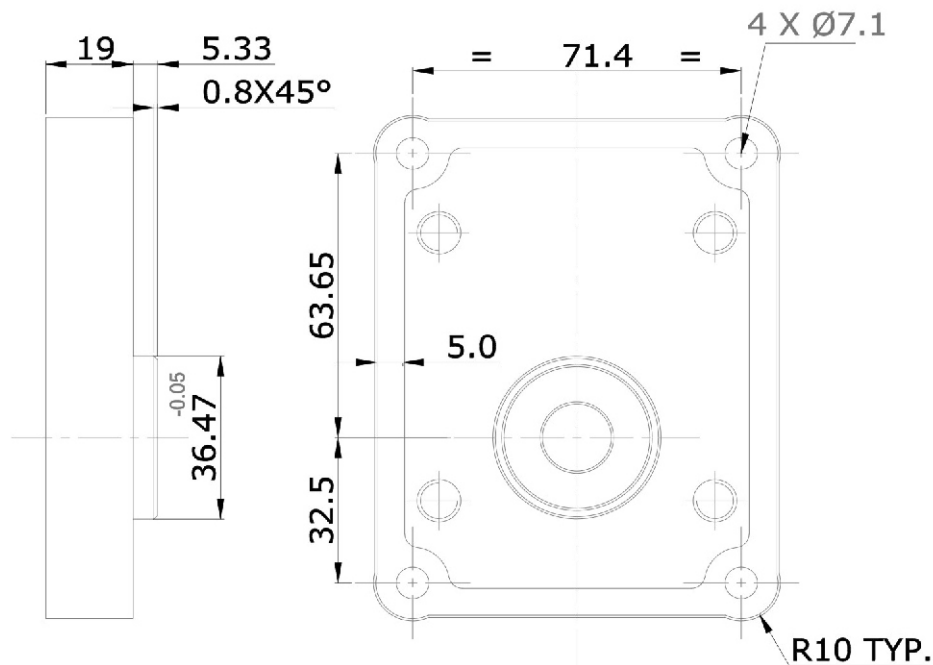
GROUP 1P

MOUNTING FLANGE

2-BOLT SAE CODE-S
Available with shaft code P,T,K,G & S



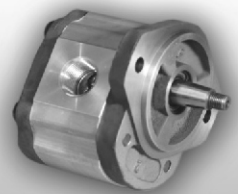
4-BOLT SAE CODE-D
Available with shaft code P,T,K,G & S



ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



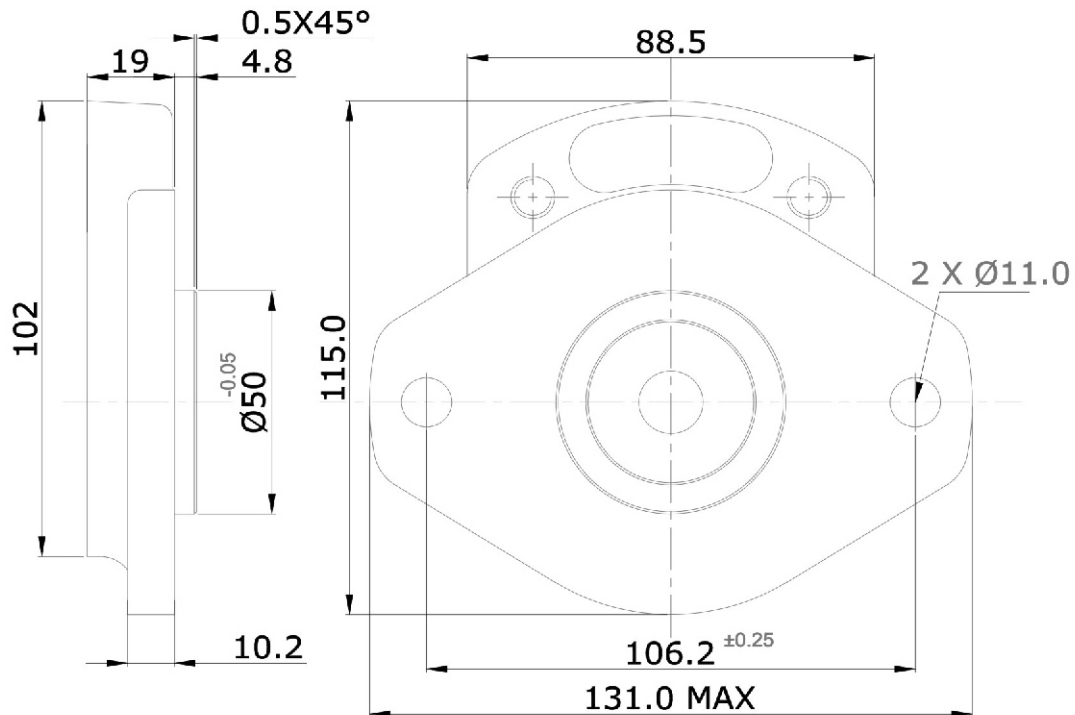
Gear Pumps & Valves



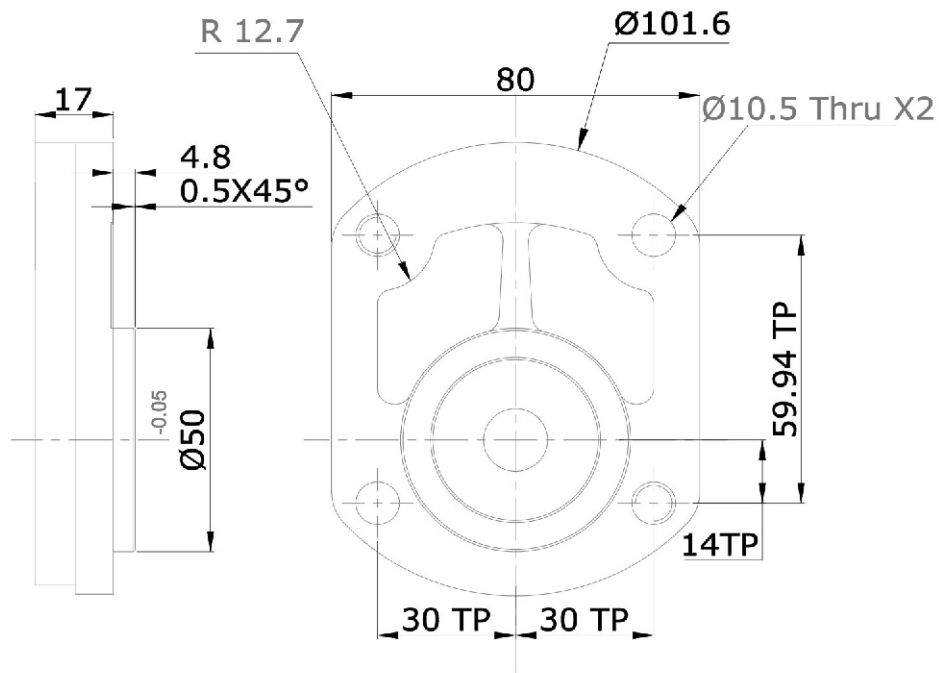
GROUP 1P

MOUNTING FLANGE

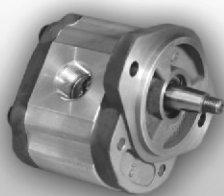
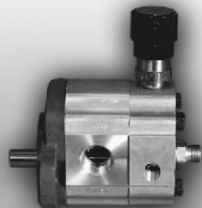
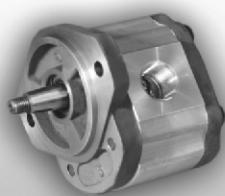
2 BOLT SAE-AA CODE-A



CODE-K

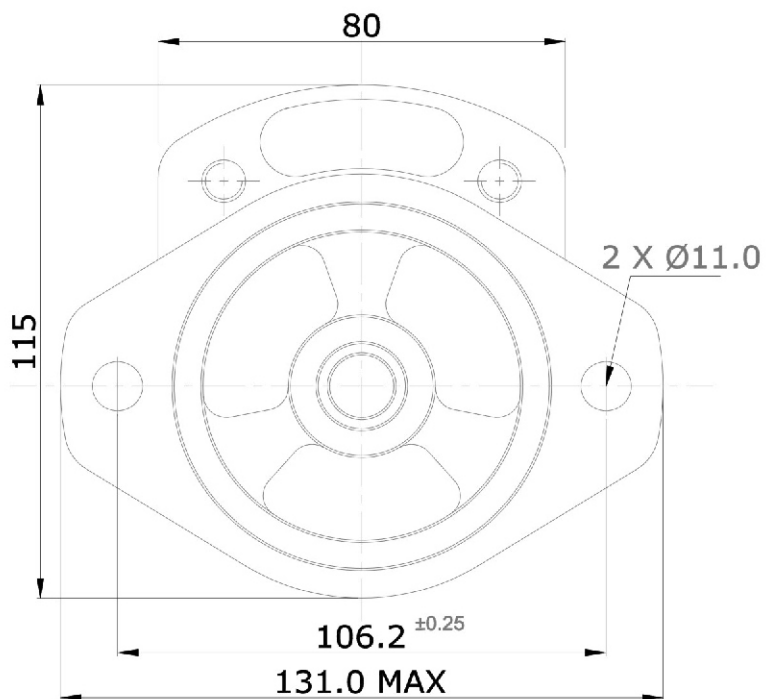
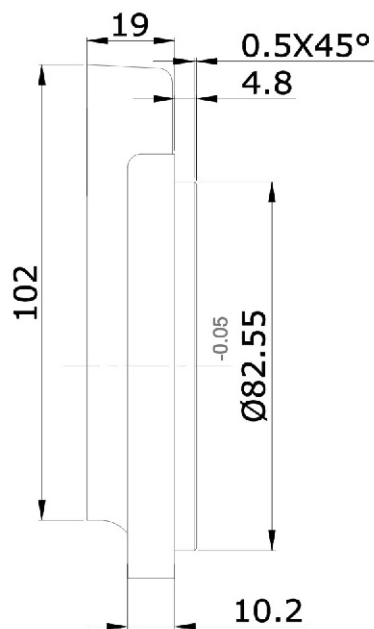


ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED

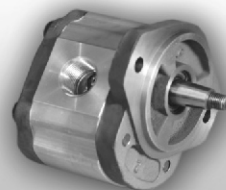
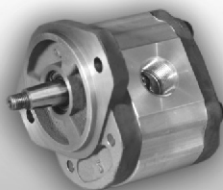


GROUP 1P

2 BOLT SAE CODE-S
Available with shaft code P,T,K,G & S



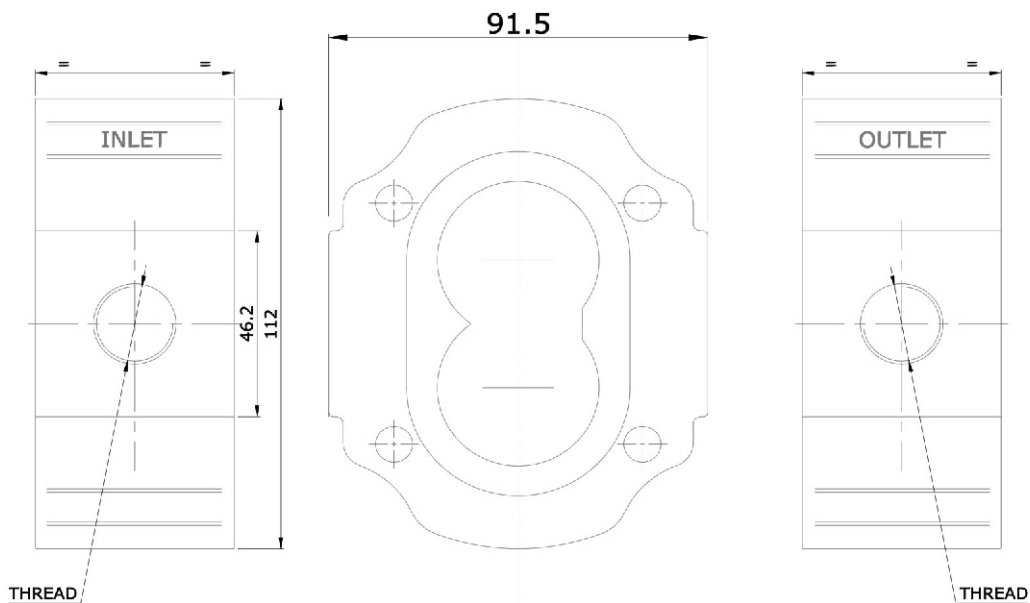
ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



GROUP 1P

BODY PORT

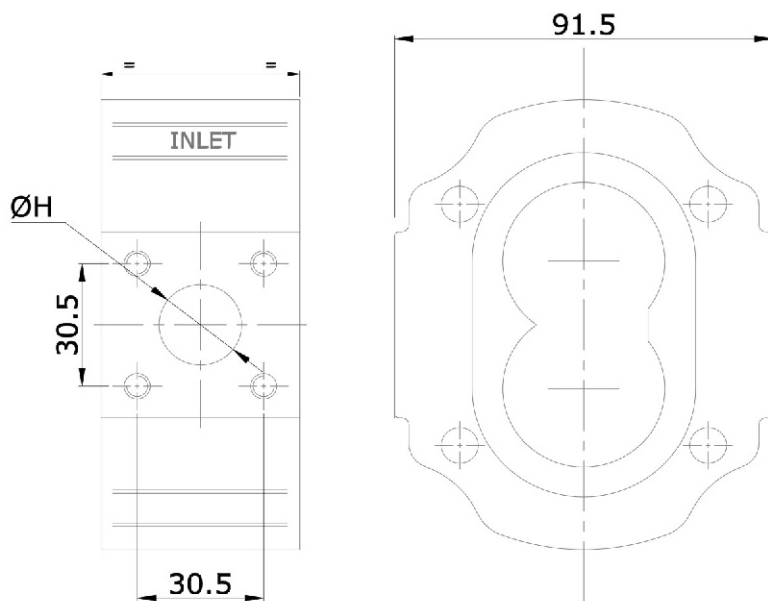
CODE - T



1/2" - BSP FOR PUMP TYPES 1P 5017 TO 5028
3/4" - BSP FOR PUMP TYPES 1P 5036 TO 5090

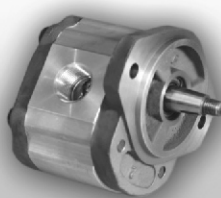
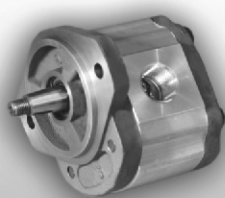
1/2" - BSP FOR PUMP TYPES 1P 5017 TO 5036
3/4" - BSP FOR PUMP TYPES 1P 5044 TO 5090

CODE - F



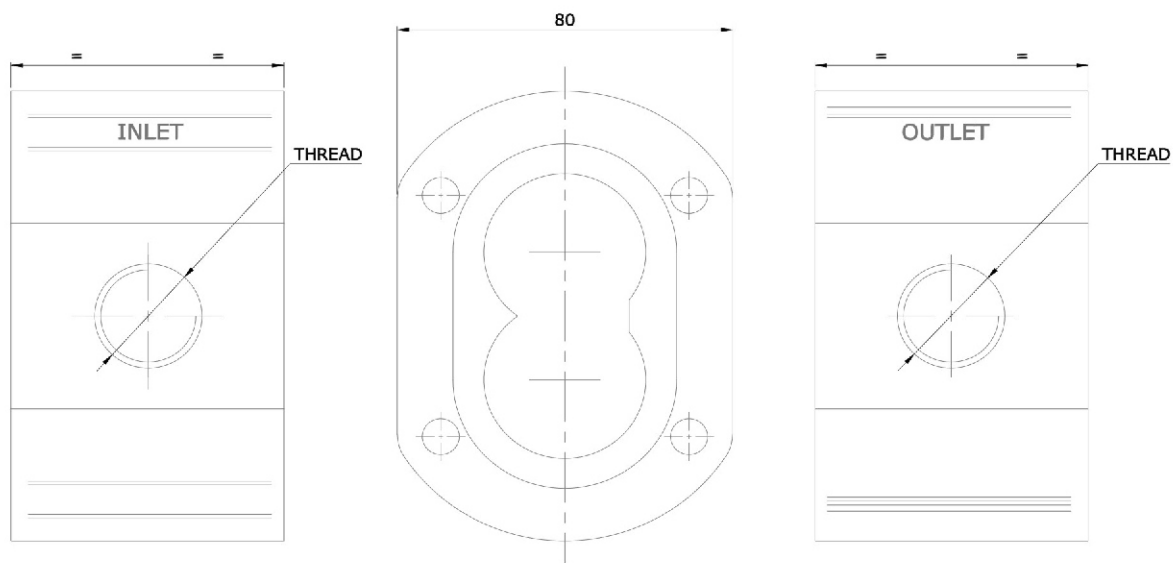
INLET & OUTLET PORTS ARE IDENTICAL
ØH=17.3 FOR PUMP TYPES 1P 5017 TO 5036
ØH=20.3 FOR PUMP TYPES 1P 5044 TO 5090

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



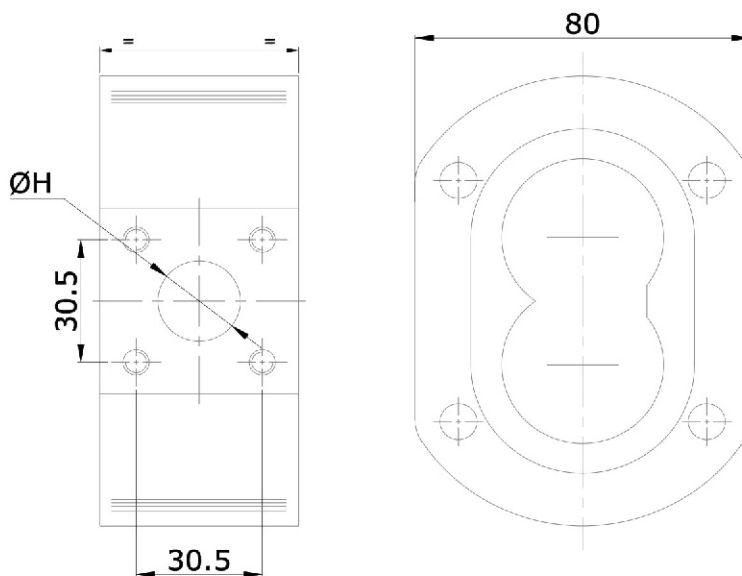
GROUP 1P

BODY PORT CODE - A



1/2"- BSP FOR PUMP TYPES 1P 5017 TO 5028
3/4"- BSP FOR PUMP TYPES 1P 5036 TO 5090

1/2"- BSP FOR PUMP TYPES 1P 5017 TO 5036
3/4"- BSP FOR PUMP TYPES 1P 5044 TO 5090

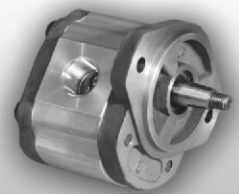
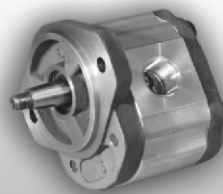


INLET & OUTLET PORTS ARE IDENTICAL

ØH=17.3 FOR PUMP TYPES 1P 5017 TO 5036

ØH=20.3 FOR PUMP TYPES 1P 5044 TO 5090

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED

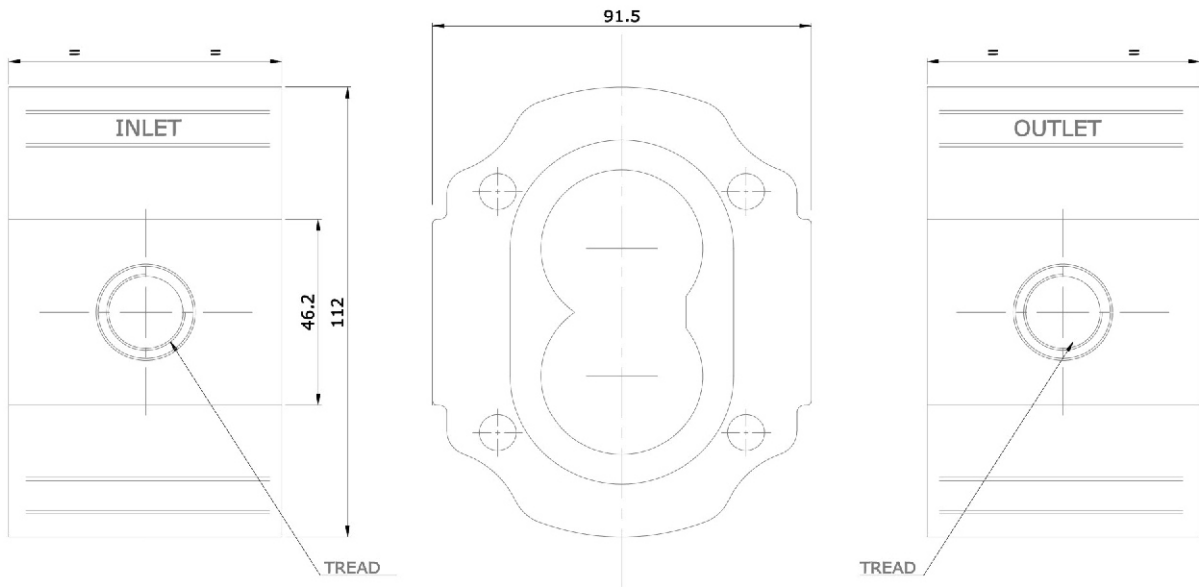


GROUP 1P

BODY PORT

CODE - J

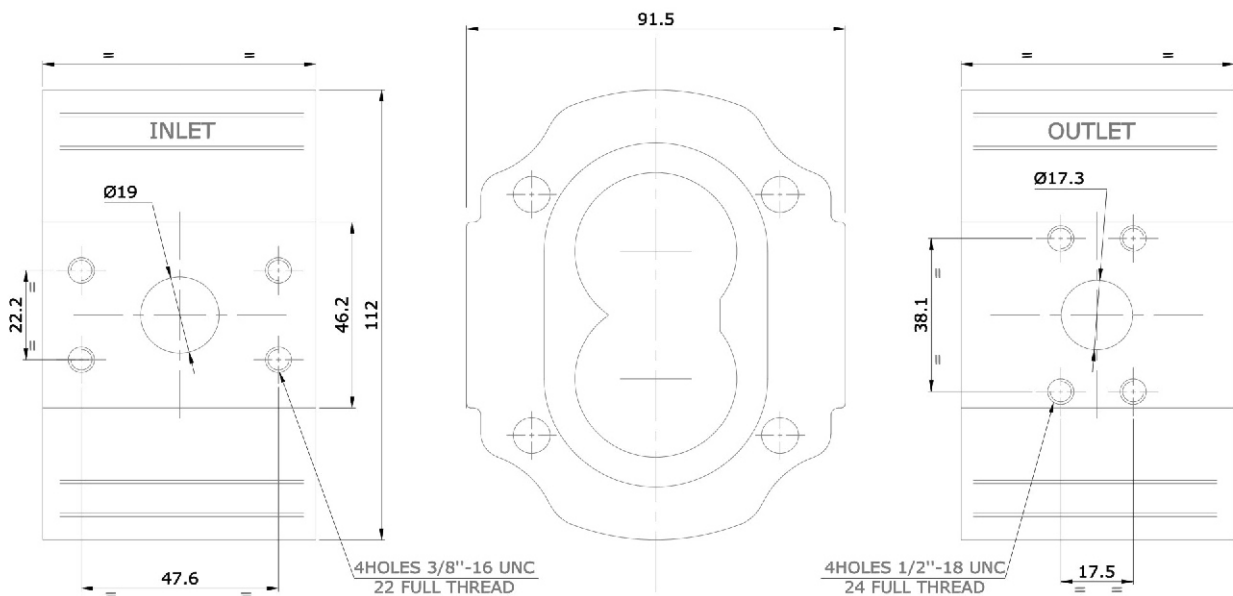
SAE O-RING THREADED PORTS



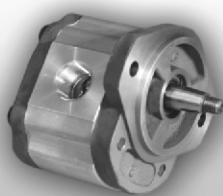
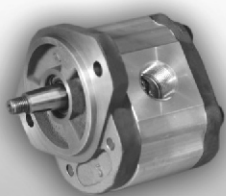
1-1/16"-12 UN FOR PUMP TYPES 1P 5017 TO 5036
1-5/16"-12 UN FOR PUMP TYPES 1P 5044 TO 5090

7/8"-14 UN FOR PUMP TYPES 1P 5017 TO 5036
1-1/16"-12 UN FOR PUMP TYPES 1P 5044 TO 5090

CODE - S



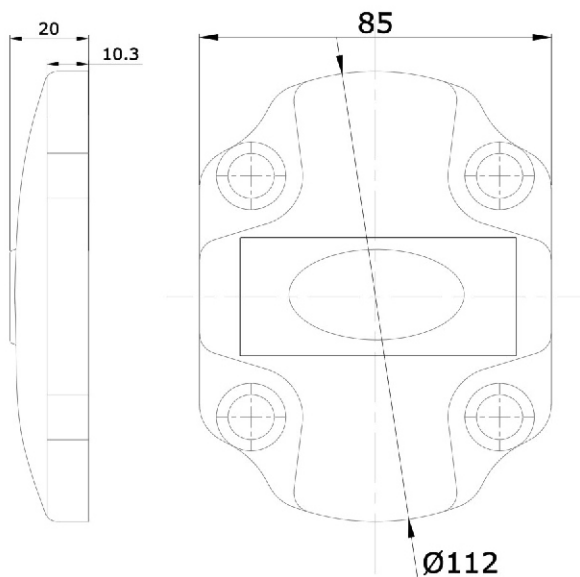
ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



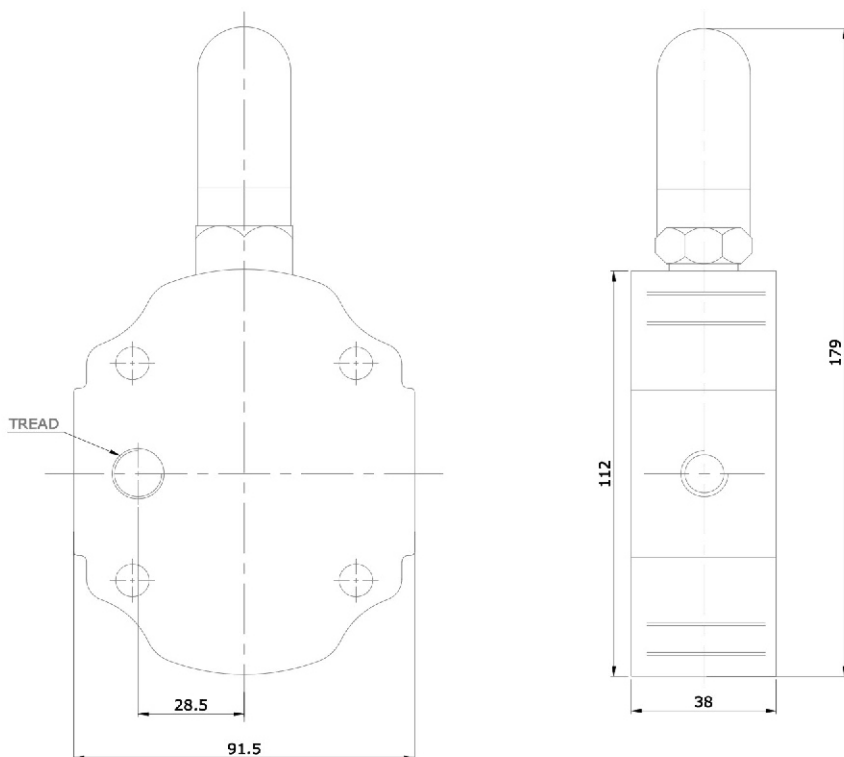
GROUP 1P

END COVER

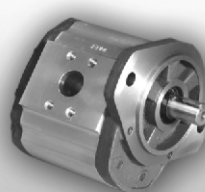
CODE - B



RELIEF VALVE CODE - R MOUNTED IN PLACE OF END COVER



ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



GROUP 2P- P3000 SERIES

PERFORMANCE DATA

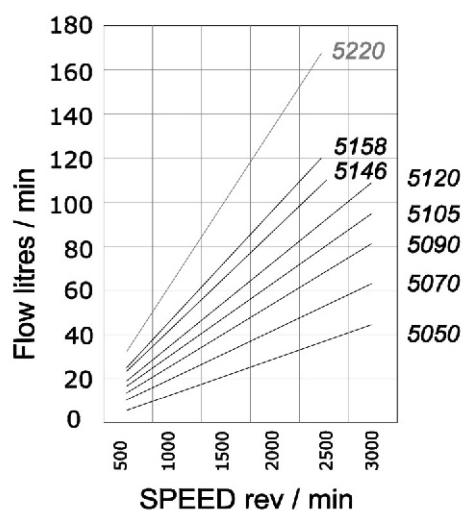
Pressure quoted are relief valve maximum by- pass performance with SAE 20 W oil at 50° C

PUMP TYPE	Nominal Displacement	Nominal Delivery @ 1500 rpm & Pressure P	Maximum Continues Pressure P		Speed at Maximim Continues Pressure P	
			psi	bar	Max	Min
5050	15.13	22.70	3000	207	3000	550
5070	21.33	32.00	3000	207	3000	550
5090	27.33	41.00	3000	207	3000	650
5105	31.80	47.70	3000	207	3000	650
5120	36.33	54.50	3000	207	3000	650
5146	44.33	66.50	2525	174	2500	650
5158	47.87	71.80	2525	174	2500	650
5220	66.67	100.00	2000	138	2500	650

TYPICAL PERFORMANCE

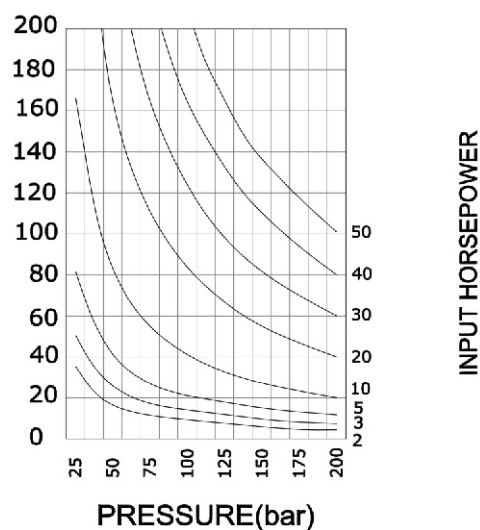
TYPICAL PUMP DELIVERY

Flow at Max. Pressure.

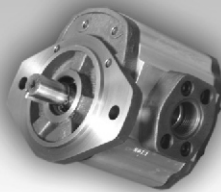


TYPICAL INPUT HORSEPOWER

Fluide SAE 20 W
Fluide Temperature 50° C

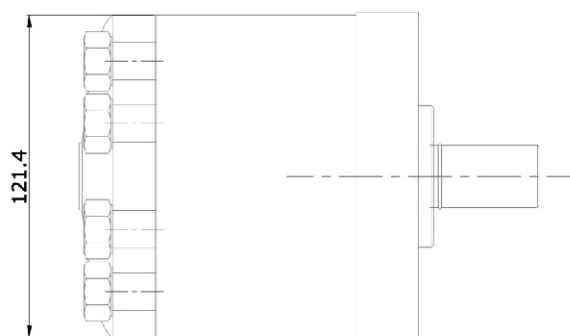
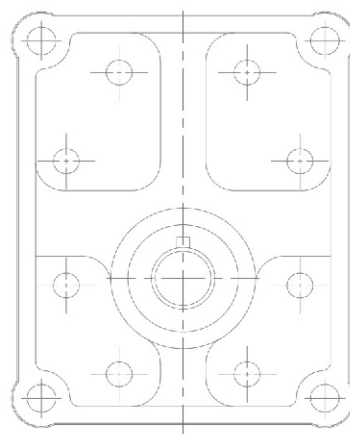
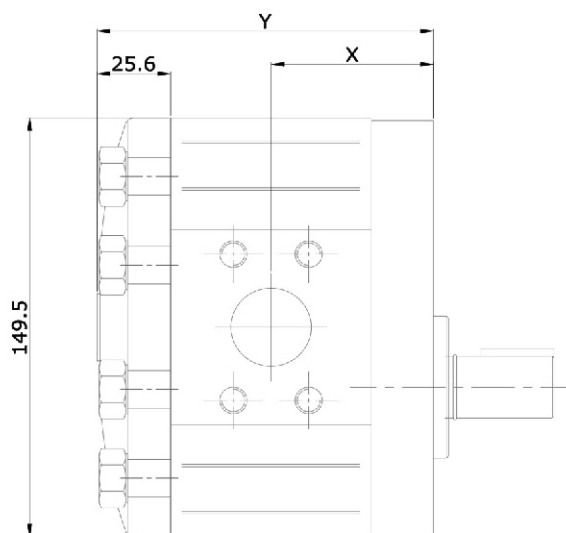


ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED



2P SERIES

INSTALLATION DIMENSION



2P-5220	81.7	167.8
2P-5158	74.3	153.0
2P-5146	72.8	150.0
2P-5120	69.7	143.8
2P-5105	67.9	140.0
2P-5090	59.1	122.6
2P-5070	56.7	117.7
2P-5050	54.3	113.0
PUMP TYPE.	DIM-X	DIM-Y

ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED