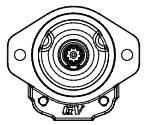
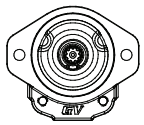
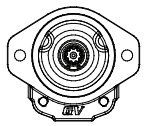
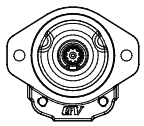
Unidirectional Pump - GV serie "CAST IRON"

ENCODING STRUCTURE
ø 82,5 SAE - A FLANGE

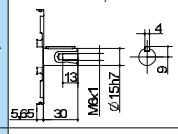
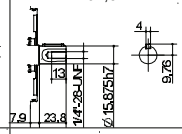
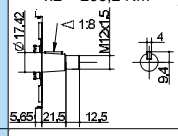
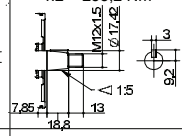
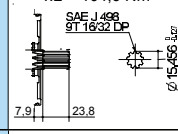
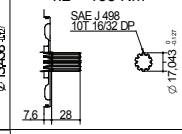
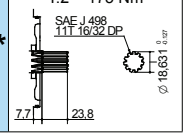
Displacement

TYPE	CODE
GV-2P/ 4	41
GV-2P/ 6	43
GV-2P/ 9	45
GV-2P/11	47
GV-2P/14	49
GV-2P/17	51
GV-2P/19	53
GV-2P/22	55
GV-2P/26	57
GV-2P/30	59
GV-2P/34	61
GV-2P/40	63

ø82,5 Flange

	Left Rotation	Rigth Rotation	
51			52
53	 Whithout OR	 Whithout OR	54

Shaft

A	CI001-Parallel T.2 = 44,1 Nm 	CI002-Parallel T.2 = 67,5 Nm 	B
E	C0001-Tapered T.2 = 233,2 Nm 	C0002-Tapered T.2 = 233,2 Nm 	F
I	SCF04-Splined T.2 = 104,6 Nm 	SCF07-Splined T.2 = 138 Nm 	R*
S*	SCF06-Splined T.2 = 175 Nm 		

*Not all displacements are availlable

G	2	P	51	52	I	S	R	A

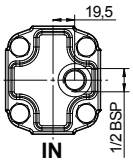
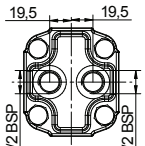
Inlet

Outlet

Standard Bodies

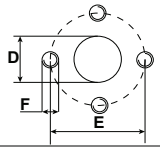
TYPE	Standard Threads/Flanges				
	European	German	Bsp	UNF	Close
GV-2P/ 4	O-O	S-R	B-B	L-M	Z-Z
GV-2P/ 6	O-O	S-R	B-B	L-M	Z-Z
GV-2P/ 9	O-O	S-R	B-B	L-M	Z-Z
GV-2P/11	O-O	S-R	B-B	L-M	Z-Z
GV-2P/14	P-O	S-R	C-B	L-M	Z-Z
GV-2P/17	P-O	S-R	C-B	L-M	Z-Z
GV-2P/19	P-O	S-R	C-B	L-M	Z-Z
GV-2P/22	P-O	S-R	C-B	L-M	Z-Z
GV-2P/26	Q-P	S-R	D-C	L-M	Z-Z
GV-2P/30	Q-P	S-S	D-C	L-M	Z-Z
GV-2P/34	Q-P	S-S	D-C	L-M	Z-Z
GV-2P/40	Q-P	S-S	D-C	L-M	Z-Z

Cover

A		OUT	C
B	 IN	 OUT + IN	D

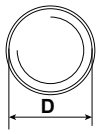
EUROPEAN

TYPE	D	E	F
O	ø13,5	ø30	M6
P	ø20	ø40	M8
Q	ø23,5	ø40	M8



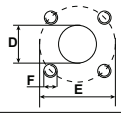
UNF

TYPE	D
L	1"-1/16-12 UNF
M	7/8"-14 UNF
N	1"-5/16-12 UNF



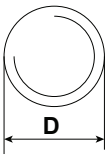
GERMAN

TYPE	D	E	F
R	ø15	ø35	M6
S	ø20	ø40	M6



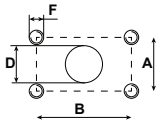
BSP

TYPE	D
A	3/8" BSP
B	1/2" BSP
C	3/4" BSP
D	1" BSP



SAE

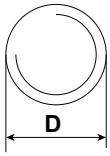
TYPE	A	B	D	F
T	22	48	20	M6
U	17,5	38	15	M8
V	17,5	38	15	M6



Z	BODY CLOSED

METRICS

TYPE	D
E	M14 x 1.5
F	M16 x 1.5
G	M18 x 1.5
H	M20 x 1.5
I	M22 x 1.5

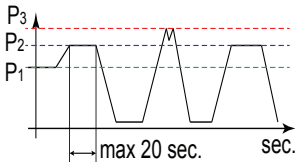


Unidirectional Pump - GV serie "CAST IRON"

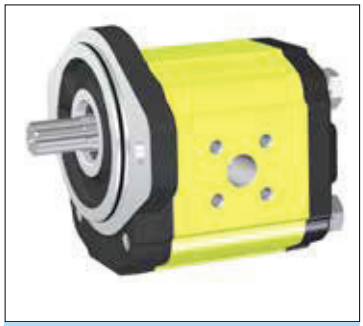
"SAE A" PUMP

ø82,5 SAE - A - FLANGE - SPLINED SHAFT - STANDARD GERMAN PORT

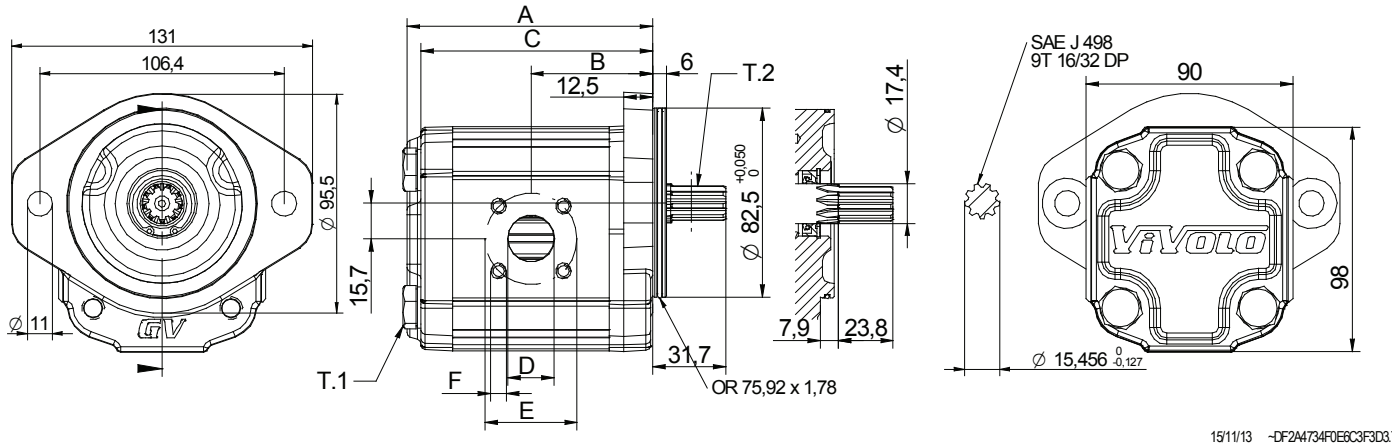
TYPE	Displacement	Max. Pressure			Min speed	Max speed
	cm^3/rev	P1 (bar)	P2 (bar)	P3 (bar)	rpm	rpm
GV-2P/04	4,20	280	290	310	700	3500
GV-2P/06	6,00	280	290	310	700	3500
GV-2P/09	8,40	280	290	310	700	3500
GV-2P/11	10,80	280	290	310	700	3500
GV-2P/14	14,40	270	280	300	700	3500
GV-2P/17	16,80	250	260	280	700	3500
GV-2P/19	19,20	230	240	260	700	3000
GV-2P/22	22,80	220	230	250	700	3000
GV-2P/26	26,20	190	200	220	700	3000
GV-2P/30	30,00	180	190	210	700	2500
GV-2P/34	34,20	170	180	200	700	2500
GV-2P/40	39,60	160	180	190	700	2000



P1 = Max. working pressure
P2 = Max. intermittent pressure
P3 = Max. peak pressure



GP 219



T.1 = 54 ÷58,9 [Nm] - screw tightening torque M 10
T.2 = 104,6 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

TYPE	Weight	A	B	C	D	E	F	D	E	F	CODE														
	kg	mm	mm	mm	IN			OUT			Left Rotation							Right Rotation							
GV-2P/04	3,650	86	46 (42,5*)	80	ø20	40	M6	ø15	35	M6	G	2P	41	51	I	SR	A	G	2P	41	52	I	SR	A
GV-2P/06	3,750	89	46 (44*)	83	ø20	40	M6	ø15	35	M6	G	2P	43	51	I	SR	A	G	2P	43	52	I	SR	A
GV-2P/09	3,850	93	46	87	ø20	40	M6	ø15	35	M6	G	2P	45	51	I	SR	A	G	2P	45	52	I	SR	A
GV-2P/11	3,950	97	48	91	ø20	40	M6	ø15	35	M6	G	2P	47	51	I	SR	A	G	2P	47	52	I	SR	A
GV-2P/14	4,150	103	51	97	ø20	40	M6	ø15	35	M6	G	2P	49	51	I	SR	A	G	2P	49	52	I	SR	A
GV-2P/17	4,250	107	53	101	ø20	40	M6	ø15	35	M6	G	2P	51	51	I	SR	A	G	2P	51	52	I	SR	A
GV-2P/19	4,350	111	55	105	ø20	40	M6	ø15	35	M6	G	2P	53	51	I	SR	A	G	2P	53	52	I	SR	A
GV-2P/22	4,500	117	58	111	ø20	40	M6	ø15	35	M6	G	2P	55	51	I	SR	A	G	2P	55	52	I	SR	A
GV-2P/26	4,600	121	60	115	ø20	40	M6	ø15	35	M6	G	2P	57	51	I	SR	A	G	2P	57	52	I	SR	A
GV-2P/30	4,850	129	64	123	ø20	40	M6	ø20	40	M6	G	2P	59	51	I	SS	A	G	2P	59	52	I	SS	A
GV-2P/34	5,050	136	67,5	130	ø20	40	M6	ø20	40	M6	G	2P	61	51	I	SS	A	G	2P	61	52	I	SS	A
GV-2P/40	5,250	145	72	139	ø20	40	M6	ø20	40	M6	G	2P	63	51	I	SS	A	G	2P	63	52	I	SS	A

* = Measure for ports different from german (code "S" ed "R")