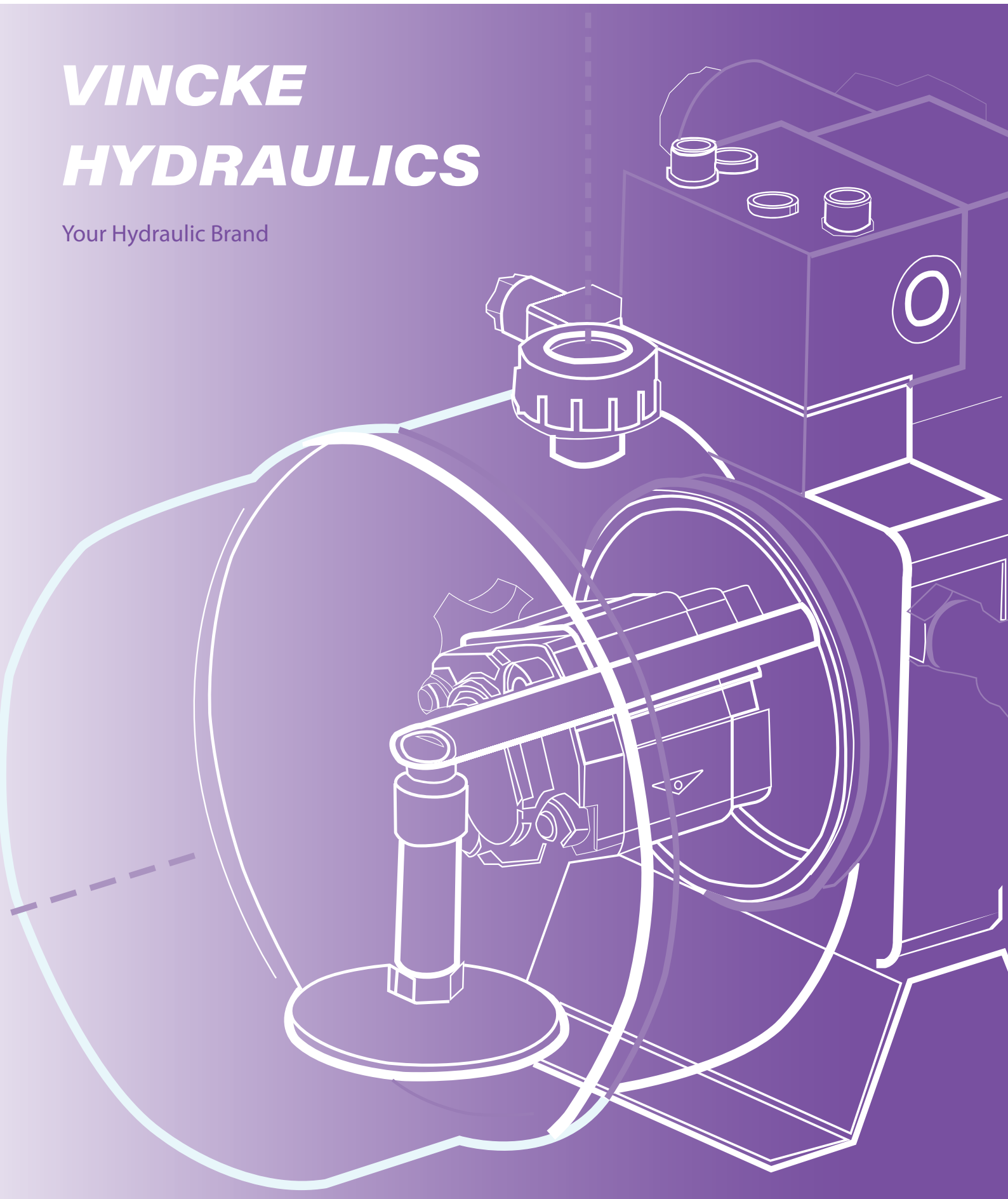


# ***VINCKE*** ***HYDRAULICS***

Your Hydraulic Brand

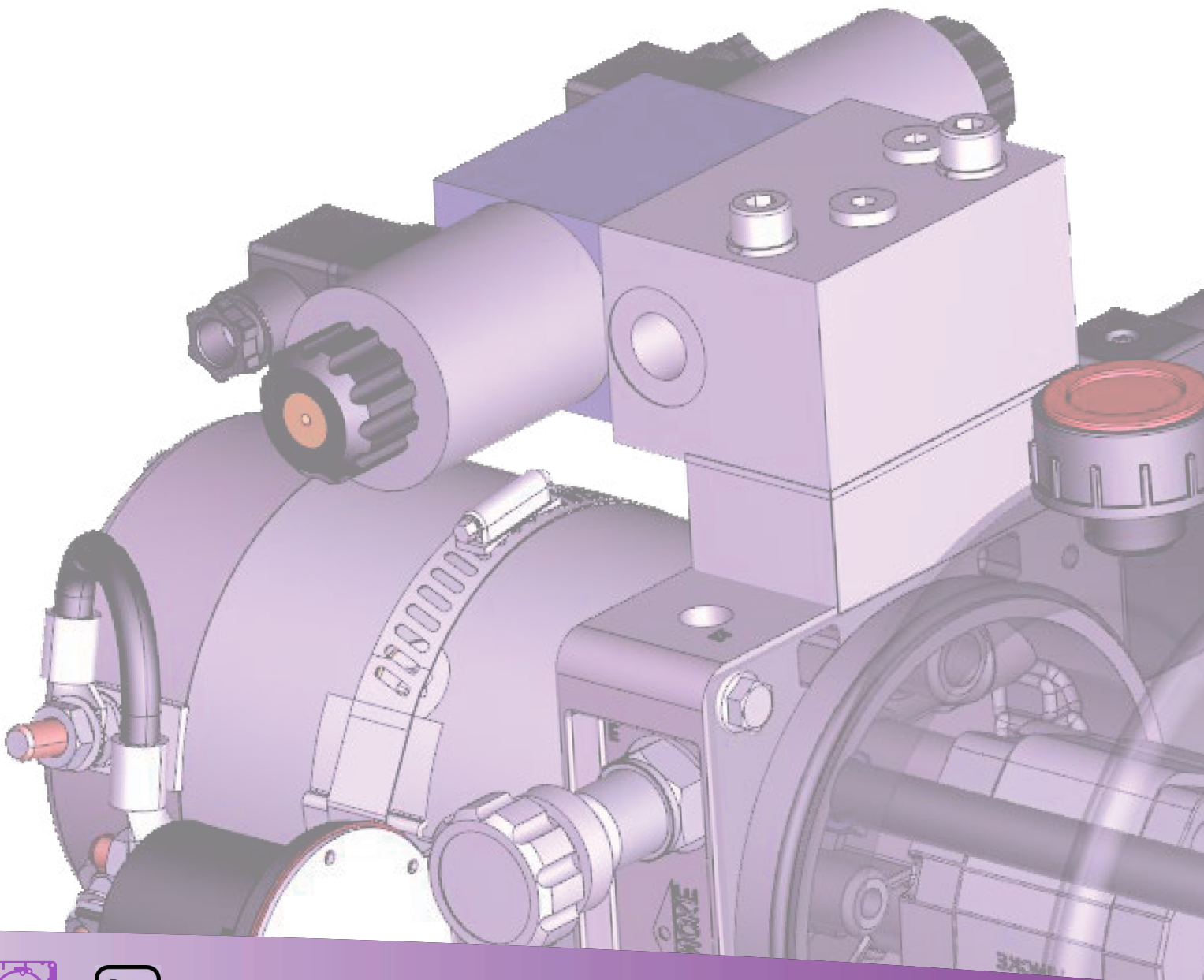


# **VINCKE**

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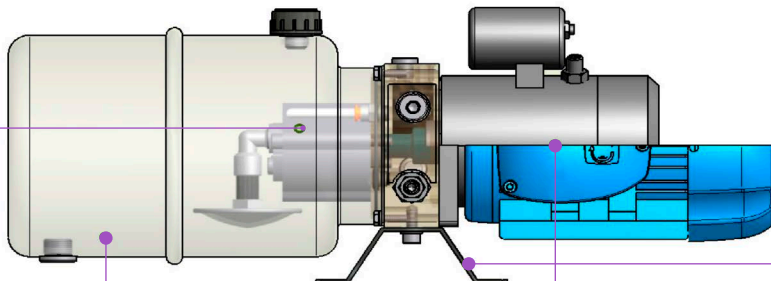
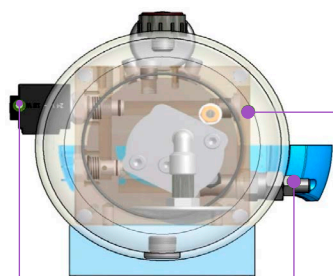




# HOW TO ORDER

POWER UNITS

SINGLE ACTION K1



<b>K1</b>	<b>SE</b>				<b>LT</b>	<b>H/V</b>				<b>TNV</b>		<b>SCC</b>
	pressure range	cm <sup>3</sup>			tank		motor		e/v	voltage		flow control valve
												optional foot mounting support
N	plug	P	S	H	Horizontal		DC		NC	12 DC		Manometer
A	10...160 bar	0.8	1.0	2.3	P (Plastic) S (Steel)		C1	800W 12DC Ø80	NC-E	24 DC		
B	71...180 bar	1.1	1.2	2.7	1.5	1.5	C12	800W 24DC Ø 80	NA	24 RAC		
C	100...350 bar	1.3	1.6	3.2	2.5	2.5	C24	1600W 12DC Ø125	NA-E	110 RAC		
		1.6	2.1	3.8	4	5	C120	2200W 24DC Ø125	NC-D	220 RAC		
		1.8	2.5	4.3	5	8	C240	25002 12 DC Ø151 Fan.				
		2.1	3.2	5.0	8	10	C12F	3000W 24 DC Ø151 Fan.				
		2.7	3.5	6.3	10	12	C24F	1600W 12DC Ø 112 Fan.				
		3.2	4.2	7.8	12	18	C245F	2200W 24DC Ø 112 Fan.				
		3.7	5.0	9.5		24		3000W 24DC Ø 125 Fan.				
		4.2	6.2			30						
		4.8	7.0		Vertical		AC					
		5.8	8.0		P (Plastic) S (Steel)		M1	0.33CV Mon-4P				
		7.0	10		1.5	1.5	M2	0.5CV Mon-4P				
		8.0			2.5	2.5	M3	0.75CV Mon-4P				
		9.8			4	5	M4	1CV Mon-4P				
					5	7	M5	1.5CV Mon-4P				
					8	8	M6	2CV Mon-4P				
					10	10	M7	3CV Mon-4P				
					12	12	T1	0.33CV Trif-4P				
						15	T2	0.5CV Trif-4P				
						20	T3	0.75CV Trif-4P				
						30	T4	1CV Trif-4P				
							T5	1.5CV Trif-4P				
							T6	2CV Trif-4P				
							T7	3CV Trif-4P				
							T8	4CV Trif-4P				
							T9	5CV Trif-4P				
							S Mx/Tx	W/o Motor				

example:

K1 - SE - B - 2.6 - 12 LT - H - T4 - NC - EE 12DC - STCB - SCC

For more options (hand valves, additional hand pumps, flow control valves pressure gauges, pressure connections, pressure switches, etc.) please contact our sales department

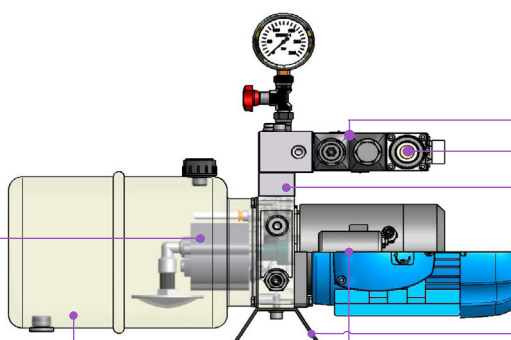
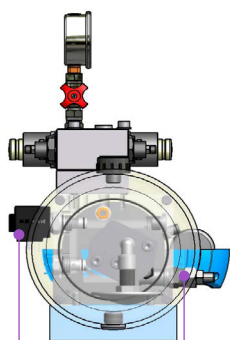




# HOW TO ORDER

POWER UNITS

DOUBLE ACTION K1



K1	DE				LT	H/V									SCC																																																								
<div>pressure range</div> <table border="1"> <tr> <td>N</td> <td>plug</td> </tr> <tr> <td>A</td> <td>10...160 bar</td> </tr> <tr> <td>B</td> <td>71...180 bar</td> </tr> <tr> <td>C</td> <td>100...350 bar</td> </tr> </table>																N	plug	A	10...160 bar	B	71...180 bar	C	100...350 bar																																																
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<div>cm³</div> <table border="1"> <tr> <td>P</td> <td>S</td> <td>H</td> </tr> <tr><td>0.8</td><td>1.0</td><td>2.3</td></tr> <tr><td>1.1</td><td>1.2</td><td>2.7</td></tr> <tr><td>1.3</td><td>1.6</td><td>3.2</td></tr> <tr><td>1.6</td><td>2.1</td><td>3.8</td></tr> <tr><td>1.8</td><td>2.5</td><td>4.3</td></tr> <tr><td>2.1</td><td>3.2</td><td>5.0</td></tr> <tr><td>2.7</td><td>3.5</td><td>6.3</td></tr> <tr><td>3.2</td><td>4.2</td><td>7.8</td></tr> <tr><td>3.7</td><td>5.0</td><td>9.5</td></tr> <tr><td>4.2</td><td>6.2</td><td></td></tr> <tr><td>4.8</td><td>7.0</td><td></td></tr> <tr><td>5.8</td><td>8.0</td><td></td></tr> <tr><td>7.0</td><td>10</td><td></td></tr> <tr><td>8.0</td><td></td><td></td></tr> <tr><td>9.8</td><td></td><td></td></tr> </table>																P	S	H	0.8	1.0	2.3	1.1	1.2	2.7	1.3	1.6	3.2	1.6	2.1	3.8	1.8	2.5	4.3	2.1	3.2	5.0	2.7	3.5	6.3	3.2	4.2	7.8	3.7	5.0	9.5	4.2	6.2		4.8	7.0		5.8	8.0		7.0	10		8.0			9.8										
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<div>subplate</div> <table border="1"> <tr> <td>PT</td> <td>P-T</td> </tr> <tr><td>1</td><td>3004</td></tr> <tr><td>2</td><td>90°</td></tr> </table>																PT	P-T	1	3004	2	90°																																																		
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<div>three-phase</div> <table border="1"> <tr><td>III</td></tr> </table>																III																																																							
III																																																																							

P	Normal
S	Splined
H	Helical

example:

K1 - DE - B - 2.6 - 12 LT - H - T6 - NA-E 12DC - 1 - E - FA - SCC

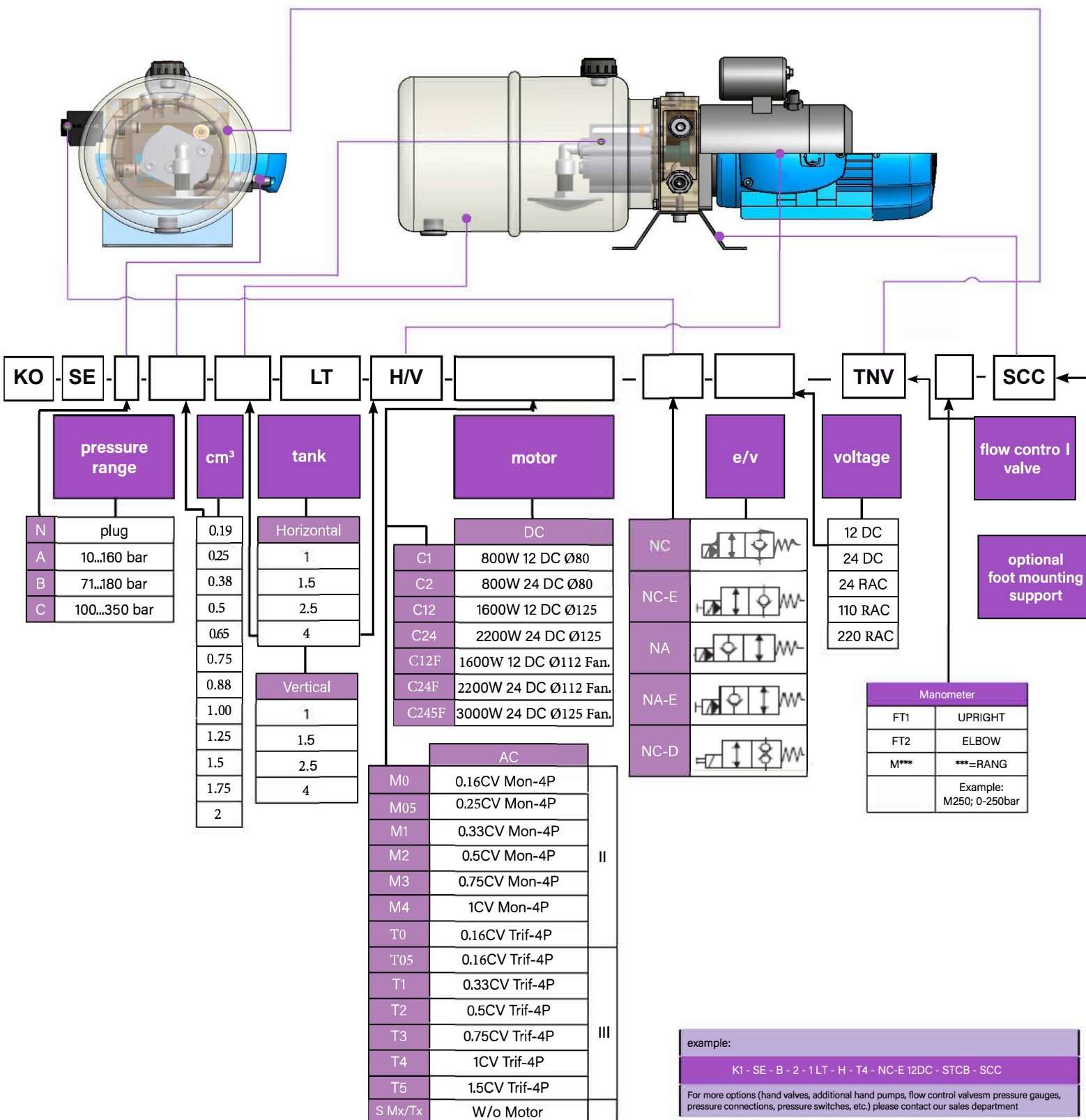
\*For more options (hand valves, additional hand pumps, flow control valves, pressure gauges, pressure connections, pressure switches, etc.) please contact our sales department.



## HOW TO ORDER

POWER UNITS

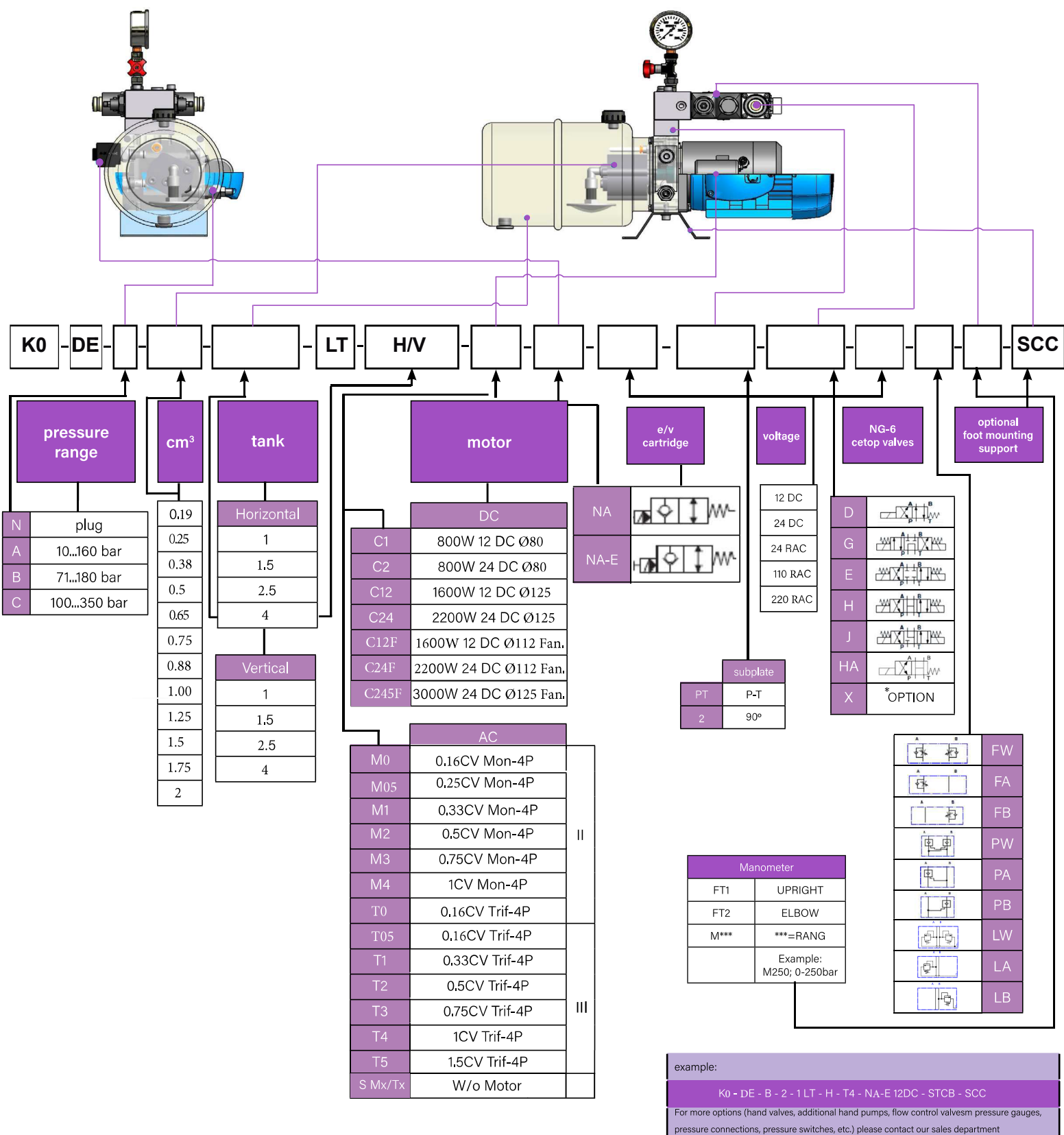
SINGLE ACTING KO



## HOW TO ORDER

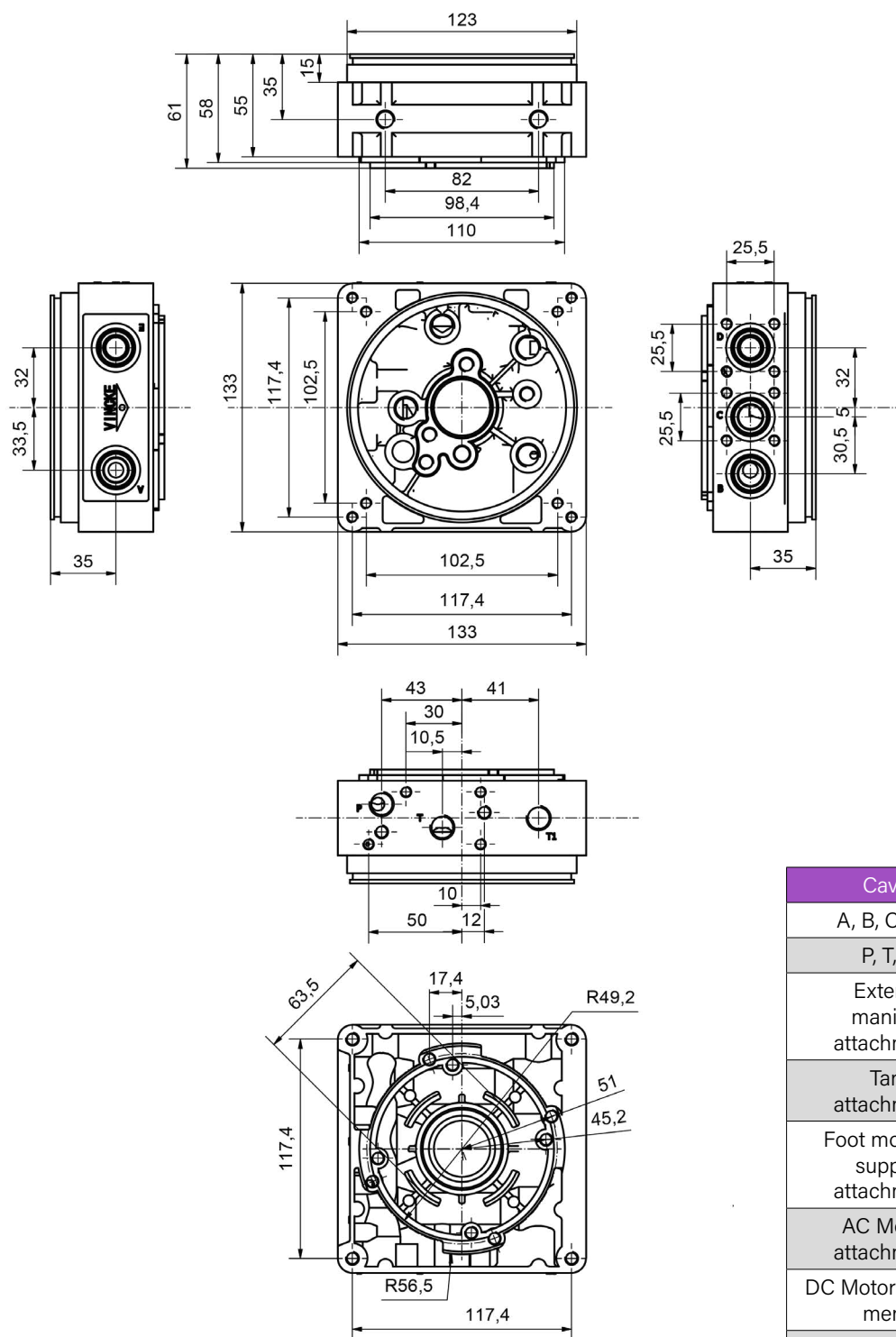
POWER UNITS

DOUBLE ACTING KO



## VNKPP010101 CENTRAL MANYFOLD 5 WAYS K1

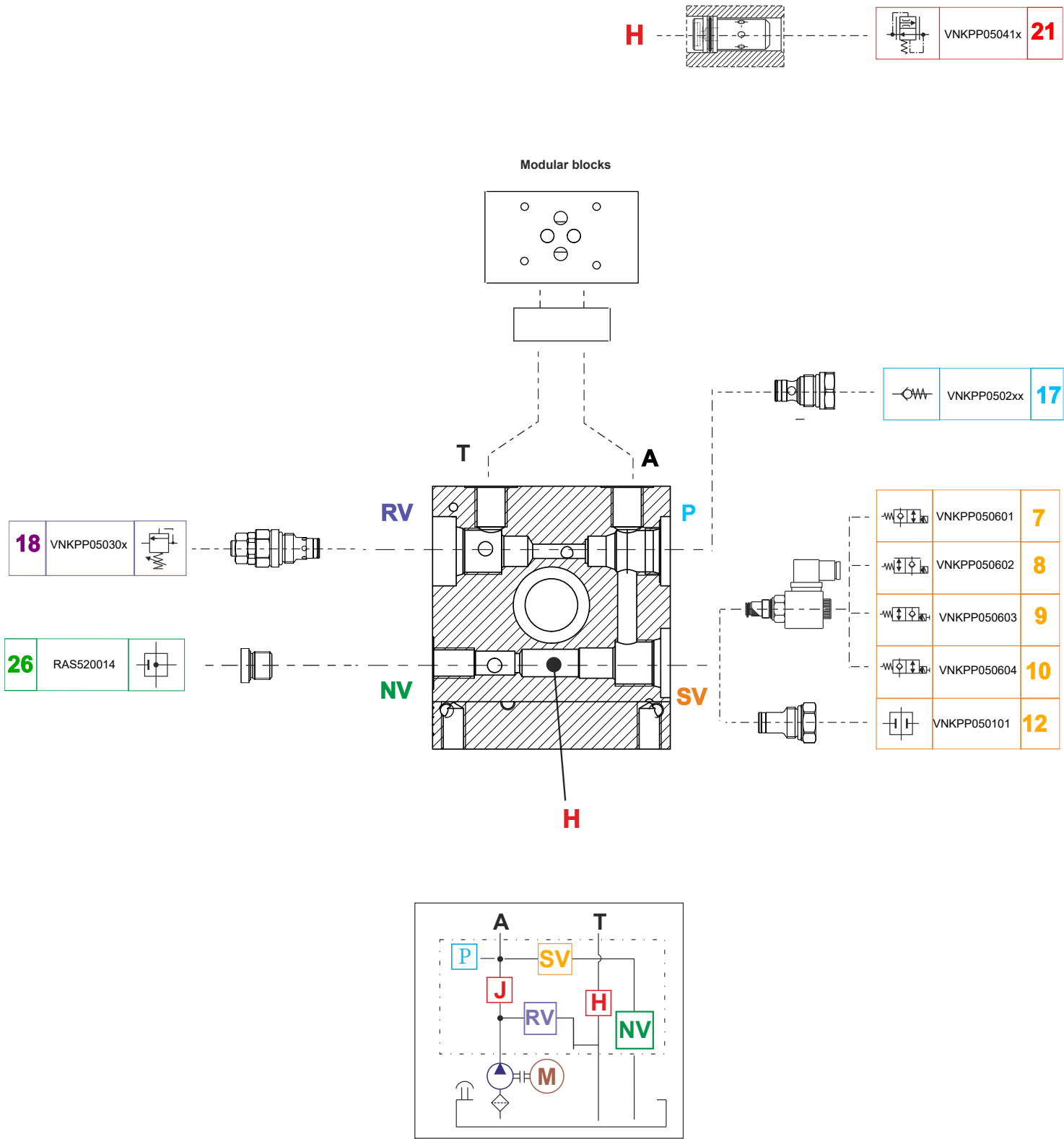




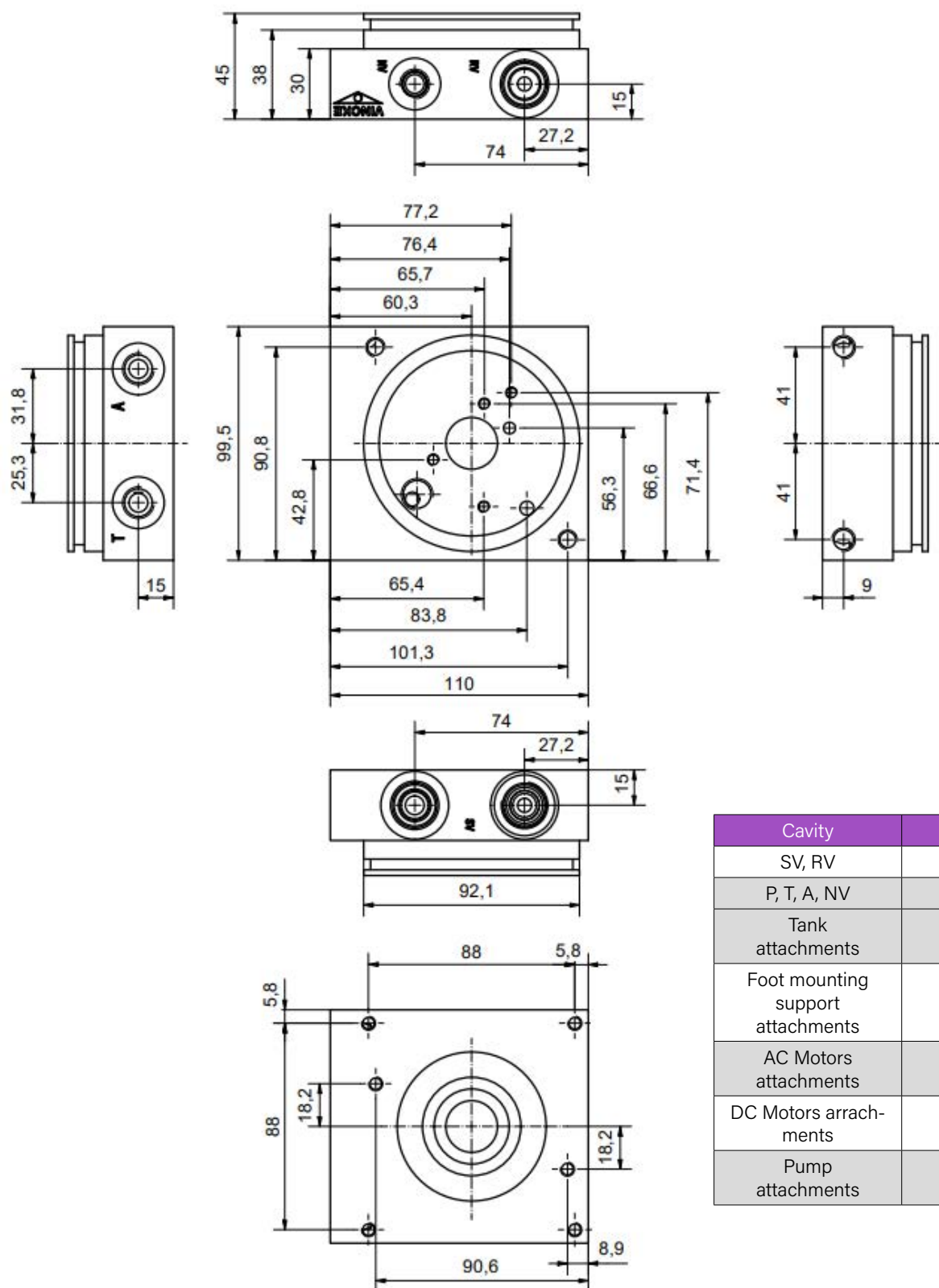
Cavity	Threads
A, B, C, D, E	3/4" UNF
P, T, T1	3/8" UNF
External manifold attachments	2 x M8 4 x M5
Tank attachments	4 x M5
Foot mounting support attachments	2 x M10
AC Motors attachments	4 x M8
DC Motors attachments	4 x M6
Pump attachments	2 x M8
Hand pump cap attachments	4 x M5



VNKPP010104 CENTRAL MANYFOLD, 2 WAYS, K0





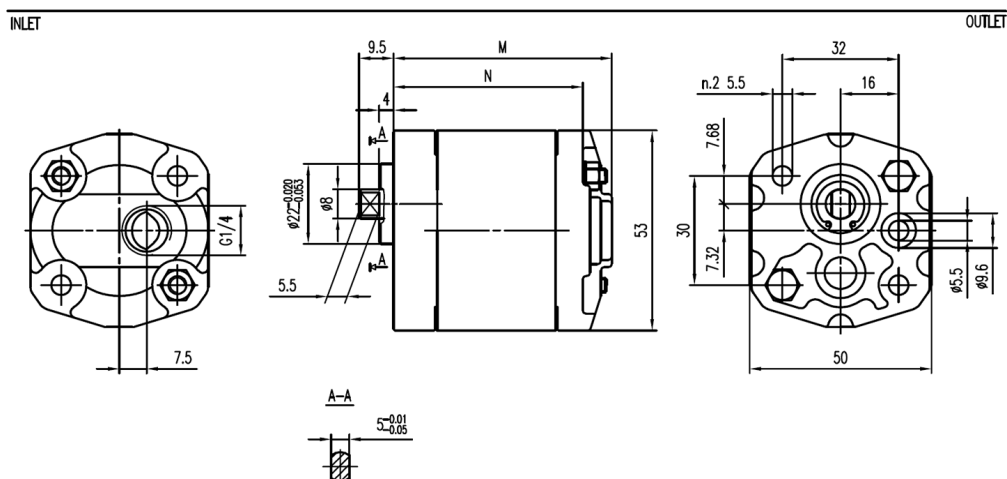


Cavity	Threads
SV, RV	3/4" UNF
P, T, A, NV	1/4" UNF
Tank attachments	2 x M8
Foot mounting support attachments	2 x M10
AC Motors attachments	4 x M6
DC Motors attachments	2 x M6
Pump attachments	2 x M5



## VNKO GEAR PUMP GROUP 0

End cover: G1 / 4 thread depth 12. To mount the pump, n.2 M5 screws, with a torque wrench setting fixed at  $5.4 \pm 0.5$  Nm.



Type	Displacement cm <sup>3</sup> /rev	Max. Pressure			Max. Speed r/min	Min. Speed r/min	Dimensions	
		P1	P2	P3			M	N
							mm	mm
VNK-0-0.19	0.19	200	230	250	7000	1000	60	58.2
VNK-0-0.25	0.25	200	230	250	7000	1000	60,5	59
VNK-0-0.38	0.38	200	230	250	7000	1000	61,5	60.3
VNK-0-0.50	0.5	200	230	250	7000	1000	62,5	61
VNK-0-0.65	0.65	200	230	250	7000	1000	63,5	54,5
VNK-0-0.75	0.75	200	230	250	7000	1000	64,5	63.5
VNK-0-0.88	0.88	200	230	250	7000	1000	65,5	56,5
VNK-0-1	1,00	200	230	250	6000	850	66,5	66
VNK-0-1.25	1.25	200	230	250	500	700	68,5	68.5
VNK-0-1.5	1.5	200	230	250	400	600	70,5	70
VNK-0-1.75	1.75	180	210	230	4000	600	72,5	73
VNK-0-2	2	160	190	210	3000	500	74,5	75.5



## ORDERING CODE

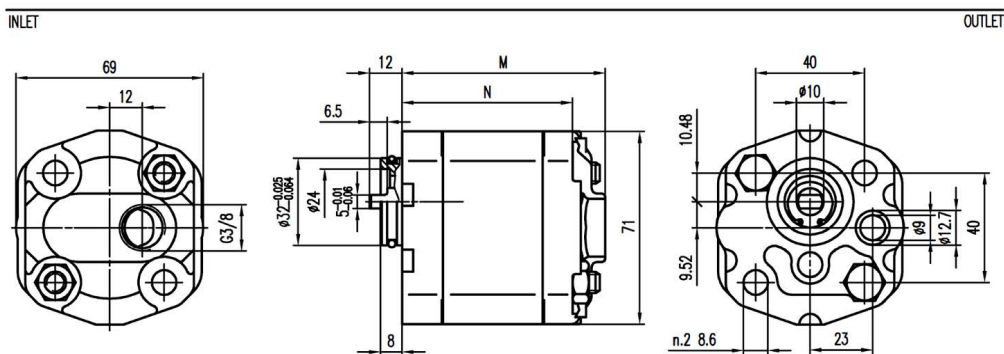
Right		Left	
Ref	cm <sup>3</sup>	Ref	cm <sup>3</sup>
VNKPP020101	0.19	VNKPP020201	0.19
VNKPP020102	0.25	VNKPP020202	0.25
VNKPP020103	0.38	VNKPP020203	0.38
VNKPP020104	0.50	VNKPP020204	0.50
VNKPP020105	0.65	VNKPP020205	0.65
VNKPP020106	0.75	VNKPP020206	0.75
VNKPP020107	0.88	VNKPP020207	0.88
VNKPP020108	1.00	VNKPP020208	1.00
VNKPP020109	1.25	VNKPP020209	1.25
VNKPP020110	1.50	VNKPP020210	1.50
VNKPP020111	1.75	VNKPP020211	1.75
VNKPP020112	2	VNKPP020212	2



## VNK1 GEAR PUMP GROUP 1

### RIGHT AND LEFT GEAR PUMP GROUP 1

End cover: G3/8 thread depth 12. To mount the pump, n.2 M8 screws, with a torque wrench setting fixed at  $27 \pm 3$  Nrn.



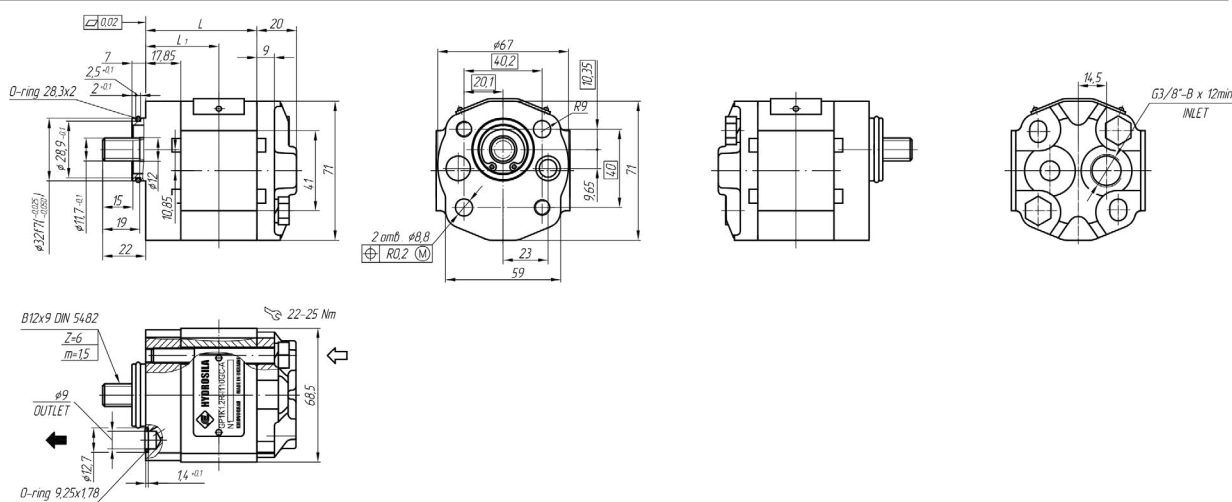
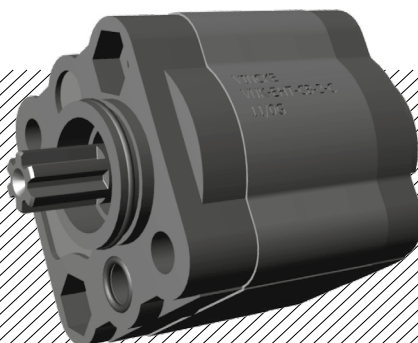
Type	Displacement cm <sup>3</sup> /rev	Max. Pressure			Max. Speed rW/min	Min. Speed r/min	Dimensions	
		P1	P2	P3			M mm	L mm
VNK-1-0.8	0.8	250	270	290	6000	1000	73.5	61,5
VNK-1-1.1	1.1	250	270	290	6000	1000	74	62
VNK-1-1.3	1.3	250	270	290	6000	1000	75	63
VNK-1-1.6	1.6	250	270	290	6000	1000	76	64
VNK-1-1.8	1.8	250	270	290	6000	1000	77	65
VNK-1-2.1	2.1	250	270	290	6000	1000	78	66
VNK-1-2.7	2.7	250	270	290	6000	800	80	68
VNK-1-3.2	3.2	250	270	290	5000	800	82	70
VNK-1-3.7	3.7	250	270	290	4500	800	84	72
VNK-1-4.2	4.2	250	270	290	4000	800	86	74
VNK-1-4.8	4.8	230	250	270	3500	600	88	76
VNK-1-5.8	5.8	230	250	270	3000	600	92	80
VNK-1-5.8	7	210	230	250	2500	600	96	84
VNK-1-8.0	8	180	200	230	2100	600	100	88
VNK-1-9.8	9.8	150	170	190	2100	600	104	92



## ORDERING CODE

Right		Left	
Ref	cm <sup>3</sup>	Ref	cm <sup>3</sup>
VNKPP020301	0.8	VNKPP020401	0.8
VNKPP020302	1.1	VNKPP020402	1.1
VNKPP020303	1.3	VNKPP020403	1.3
VNKPP020304	1.6	VNKPP020404	1.6
VNKPP020305	1.8	VNKPP020405	1.8
VNKPP020306	2.1	VNKPP020406	2.1
VNKPP020307	2.7	VNKPP020407	2.7
VNKPP020308	3.2	VNKPP020408	3.2
VNKPP020309	3.7	VNKPP020409	3.7
VNKPP020310	4.2	VNKPP020410	4.2
VNKPP020311	4.8	VNKPP020411	4.8
VNKPP020312	5.8	VNKPP020412	5.8
VNKPP020313	7	VNKPP020413	7
VNKPP020314	8	VNKPP020414	8
VNKPP020315	9.8	VNKPP020401	9.8



**RIGHT GEAR PUMP  
SHAFT SPLINED**


Type	Displacement cm <sup>3</sup> /rev	Max. Pressure		Max. Speed r/min	Min. Speed r/min	Rated Speed r/min	Dimensions	
		P1	P2				L	L <sub>1</sub>
VNK-1-1	1.0	250	270	4000	750	3000	55.6	36.725
VNK-1-1.2	1.2	250	270	4000	750	3000	56.2	37.075
VNK-1-1.6	1.6	250	270	4000	750	3000	57.8	37.825
VNK-1-2.1	2.1	250	270	4000	750	3000	59.65	38.75
VNK-1-2.5	2.5	250	270	4000	750	3000	61.13	39.5
VNK-1-3.2	3.2	250	270	4000	650	3000	63.75	40.8
VNK-1-3.5	3.5	240	260	3500	650	3000	64.9	41.375
VNK-1-4.2	4.2	240	260	3500	650	3000	67.5	42.675
VNK-1-5	5.0	230	250	3500	650	2400	70.5	44.175
VNK-1-6.2	6.2	220	240	3500	600	2400	75.05	46.45
VNK-1-7	7.0	210	230	3500	600	2400	78.05	47.95
VNK-1-8	8.0	170	190	3200	600	2400	81.5	49.675
VNK-1-10	10	140	160	3200	600	2400	88.9	53.375

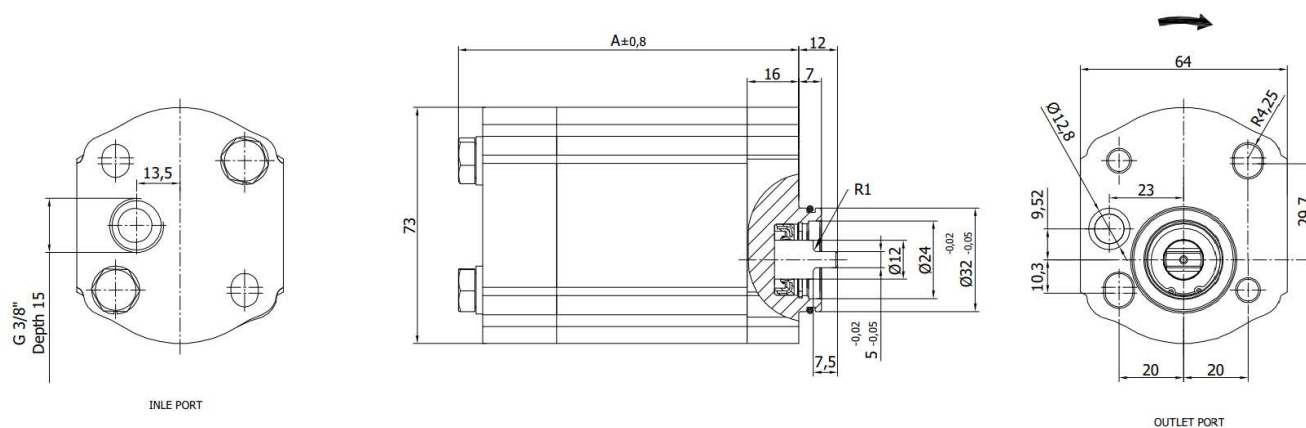
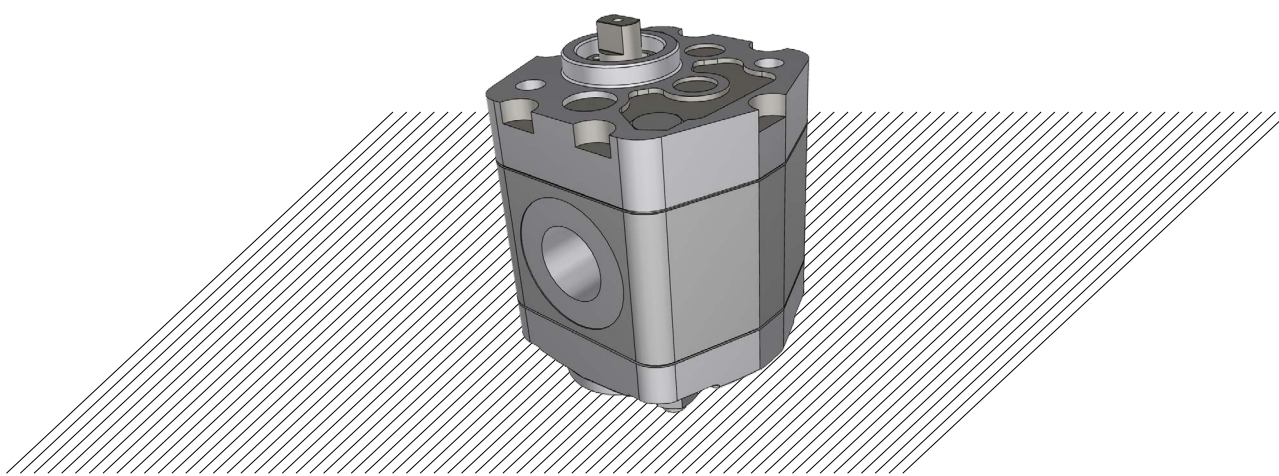




## ORDERING CODE

Right			
Ref	cm <sup>3</sup>	Ref	cm <sup>3</sup>
VNKPP020501	1	VNKPP020401	4.2
VNKPP020502	1.2	VNKPP020402	5
VNKPP020503	1.6	VNKPP020403	6.2
VNKPP020504	2.1	VNKPP020404	7
VNKPP020505	2.5	VNKPP020405	8
VNKPP020506	3.2	VNKPP020406	10
VNKPP020507	3.5		



**RIGHT GEAR PUMP  
HELICAL**



Reference	Displacement cm <sup>3</sup> /rev	Max. Pressure bar	Max. Speed r/min	A ± 0.8
VNKPP020602	2.3	220	4000	89.5
VNKPP020603	2.7	220	4000	91.5
VNKPP020604	3.2	220	4000	93
VNKPP020605	3.8	220	3500	95.5
VNKPP020606	4.3	220	3500	97.5
VNKPP020607	5	220	3500	100.5
VNKPP020608	6.3	220	3500	105.5
VNKPP020609	7.8	210	3500	111.5
VNKPP020610	9.5	200	3500	118.5



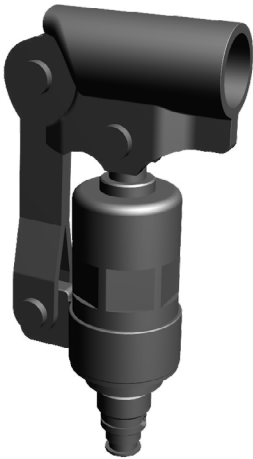
MANUAL PUMP


ASS. CODE  
2



Manual Pump		
Ref	cm3	
VNKPP020701	2	3/4 - UNF

ASS. CODE  
2

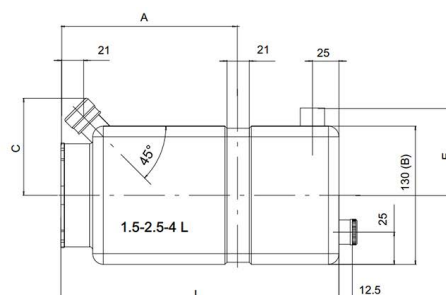
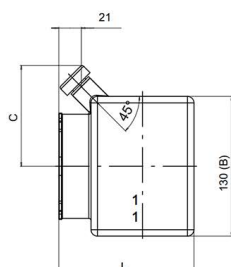


Manual Pump		
Ref	cm3	
VNKPP020702	7	3/4 - UNF



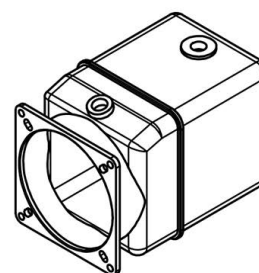
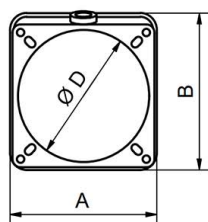
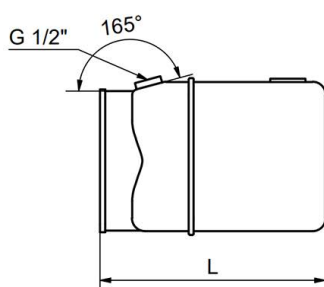
# TANKS

## PLASTIC TANK VERTICAL / HORIZONTAL, RECTANGULAR BASE, GROUP K0 VINCKE



Reference	PLASTIC TANK RECTANGULAR BASE GROUP K0				
	Ø D (mm)	L (mm)	A (mm)	B (mm)	Vol. (L)
VNKPP030101	92	126	-	130	1
VNKPP030102	92	159	-	130	1.5
VNKPP030103	92	262	167	130	2.5
VNKPP030104	92	327	232	130	4

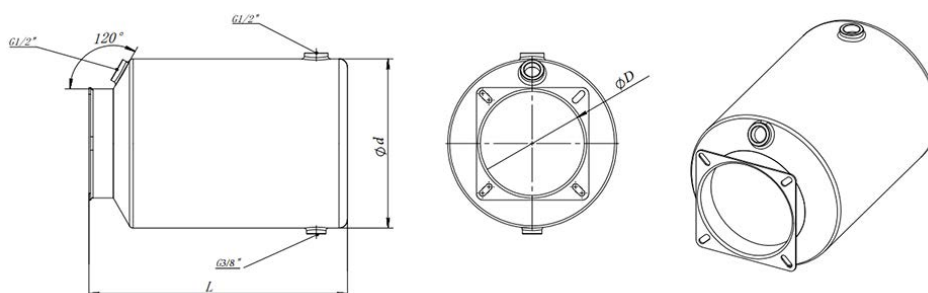
## PLASTIC TANK VERTICAL / HORIZONTAL, RECTANGULAR BASE, GROUP K1 VINCKE



Reference	PLASTIC TANK RECTANGULAR BASE GROUP K1				
	Ø D (mm)	L (mm)	A (mm)	B (mm)	Vol. (L)
VNKPP030301	123	135	130	135	1.5
VNKPP030302	123	205	130	135	2.5
VNKPP030303	123	280	130	135	4
VNKPP030304	123	260	170	170	5
VNKPP030305	123	330	170	170	8
VNKPP030306	123	440	170	170	10
VNKPP030407	123	545	170	170	12



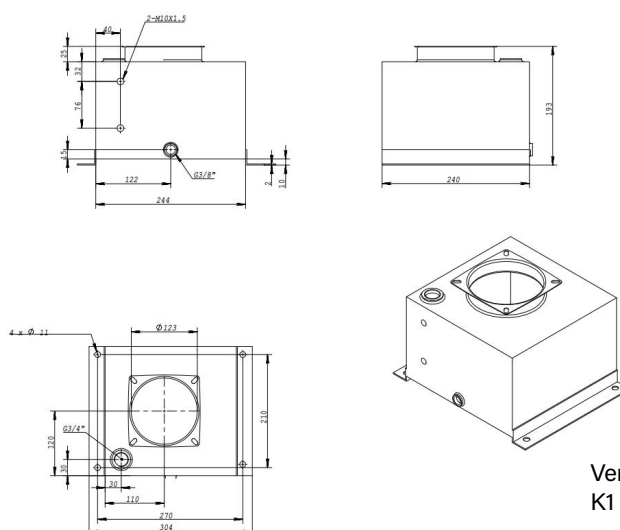
## METALIC TANK VERTICAL / HORIZONTAL, ROUND BASE, GROUP K1 VINCKE



Reference	METALIC TANK ROUND BASE GROUP K1			
	Ø D (mm)	L (mm)	Ø d (mm)	Vol. (L)
VNKPP030401	123	155	125	1.5
VNKPP030402	123	230	125	2.5
VNKPP030403	123	210	200	5
VNKPP030404	123	300	195	8
VNKPP030405	123	370	195	10
VNKPP030406	123	445	200	12

**METALIC TANK VERTICAL / HORIZONTAL  
WITH LEVEL, SQUARE/ RECTANGULAR BODY,  
GROUP K1 VINCKE**

VNKPP030501

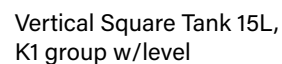


Vertical Tank 7L,  
K1 group w/level

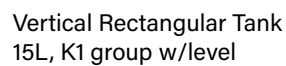
Reference	Mounting	Ø D (mm)	L (mm)	B (mm)	H (mm)	E (mm)	Vol. (L)
VNKPP030501	Vertical	123	240	240	160	10	7



## VNKPP030502

VNKPP030502

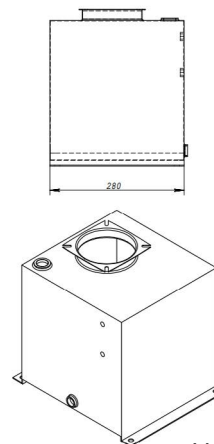
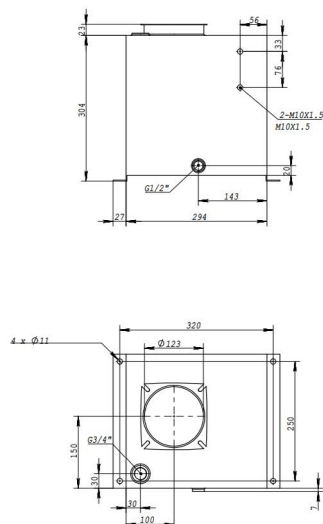
## VNKPP030503

VNKPP030503



**METALIC TANK VERTICAL / HORIZONTAL  
WITH LEVEL, SQUARE/ RECTANGULAR BODY,  
GROUP K1 VINCKE**

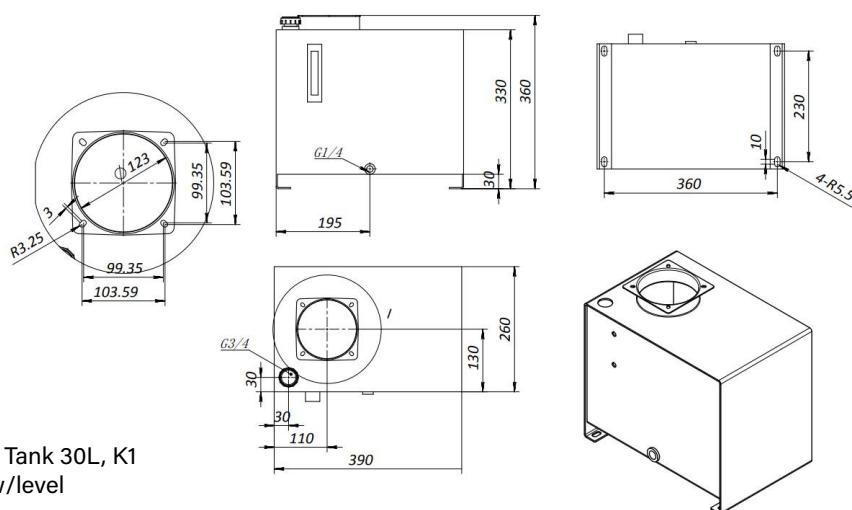
VNKPP030504


 Vertical Tank 20L, K1  
group w/level

Reference	Mounting	Ø D (mm)	L (mm)	B (mm)	H (mm)	E (mm)	Vol. (L)
VNKPP030504	Vertical	123	295	280	320	10	20

**METALIC TANK VERTICAL / HORIZONTAL  
WITH LEVEL, SQUARE/ RECTANGULAR BODY,  
GROUP K1 VINCKE**

VNKPP030505

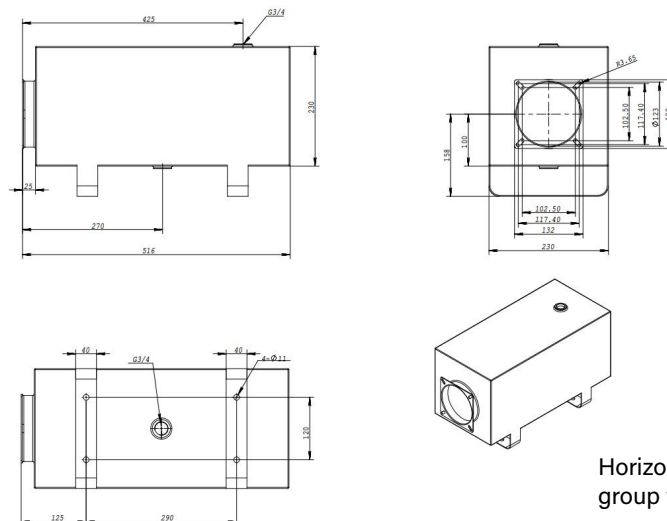

 Vertical Tank 30L, K1  
group w/level

Reference	Mounting	Ø D (mm)	L (mm)	B (mm)	H (mm)	E (mm)	Vol. (L)
VNKPP030505	Vertical	123	390	255	320	30	30



**METALIC TANK VERTICAL / HORIZONTAL  
WITH LEVEL, SQUARE/ RECTANGULAR BODY,  
GROUP K1 VINCKE**

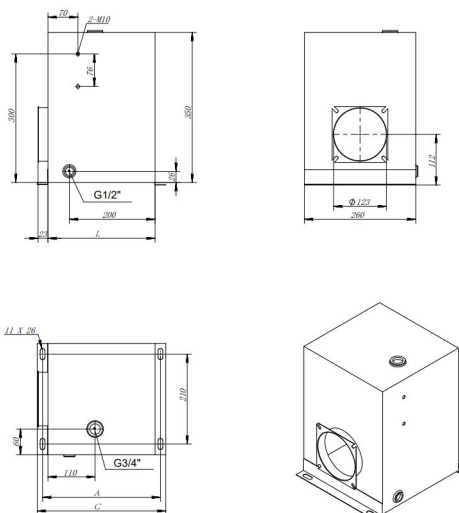
VNKPP030506

Horizontal Tank 18L, K1  
group w/level

Reference	Mounting	Ø D (mm)	L (mm)	B (mm)	H (mm)	E (mm)	Vol. (L)
VNKPP030506	Horizontal	123	520	230	230	55	18

**METALIC TANK VERTICAL / HORIZONTAL  
WITH LEVEL, SQUARE/ RECTANGULAR BODY,  
GROUP K1 VINCKE**

VNKPP030507 &amp; VNKPP030508

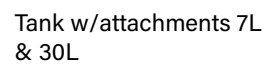
Horizontal Tank 24L &  
30L, K1 group w/level

## METALIC TANK

Reference	Mounting	Ø D (mm)	Lenght L (mm)	A (mm)	Base B (mm)	Holes C (mm)	High H (mm)	Vol. (L)
VNKPP030507	Horizontal	123	250	275	260	300	350	24
VNKPP030508	Horizontal	123	400	425	260	450	350	30



## VNKPP030550 &amp; VNKPP030551




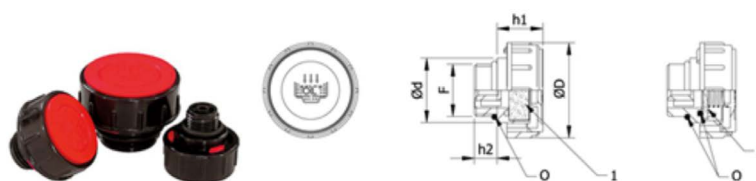
Reference	Mounting	Ø D (mm)	A (mm)	Holes C (mm)	Vol (L)
VNKP030550	Horizontal	123	227	267	7
VNKP030551	Horizontal	123	324	364	10




## ASSEMBLIES ACCESORIES



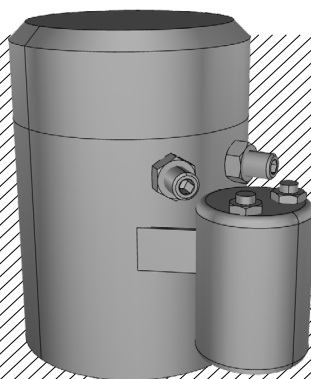
Ref	type	
VNKPP020701	O'RING K0	-
VNKPP020702	O'RING K1	-
VNKPP020703	ADAPT.	1/2"



Ref	type		D	d	h1	h2
VNKPP030604	PLASTIC PLUG	3/8"	36	23	21	11
VNKPP030605	PLASTIC PLUG	1/2"	41	28	21	12
VNKPP030606	PLASTIC PLUG	3/4"	47	33	22	12
VNKPP030607	PLASTIC PLUG	1"	52	38	25	12

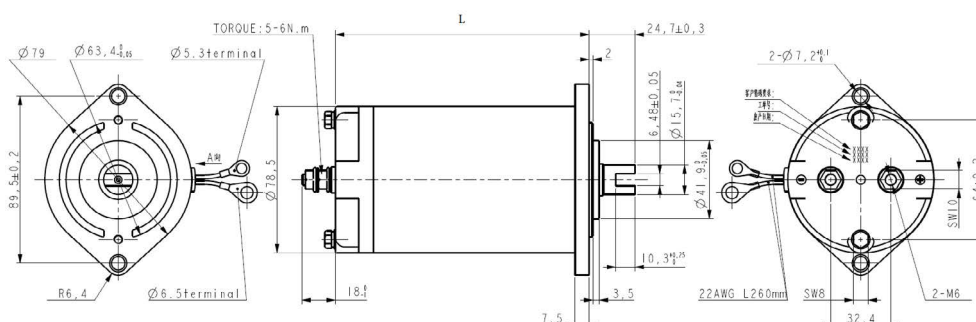


# ELECTRIC MOTORS



## ELECTRIC DC MOTOR WITH OR WITHOUT RELAY

### T-80



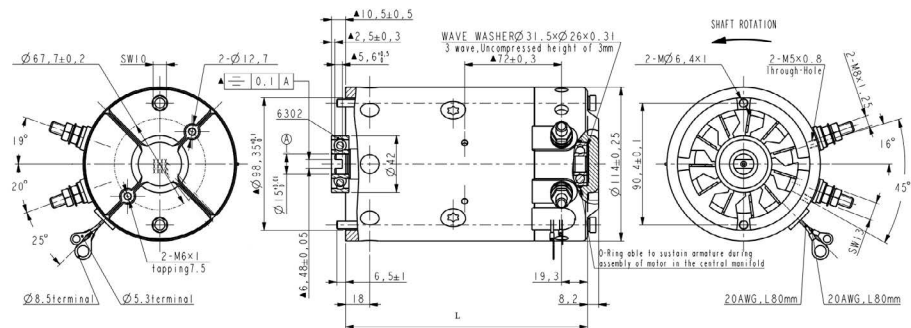
Reference	Description	Nominal Duty cycle	Nominal Speed (rpm)	Rotation	Nominal Current	L (mm)
VNKPP040100	Motor T-80 24DC 500W w/o Relay	S2 = 2,5 min S3 = 10% ED	2300	CW-CCW	150A	144
VNKPP040102	Motor T-80 12DC 500W w/ Relay	S2 = 2,5 min S3 = 10% ED	2300	CW-CCW	150A	136
VNKPP040103	Motor T-80 12DC 800W w/ Relay	S2 = 3 min S3 = 10% ED	3000	CW-CCW	150A	138
VNKPP040104	Motor T-80 24DC 800W w/ Relay	S2 = 3 min S3 = 10% ED	3400	CW-CCW	150A	136





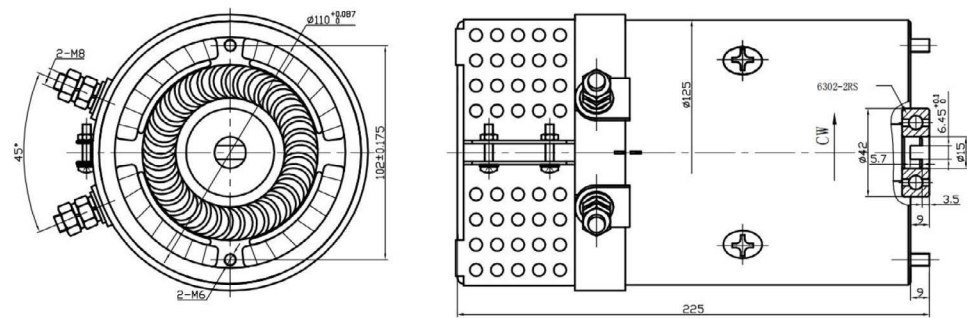


T-112 Fan



Reference	Description	Nominal Duty cycle	Nominal Speed (rpm)	Rotation	Nominal Current	L (mm)
VNKPP040105.2	Motor Fan. T112 12DC 1600W w/ Relay	S2 = 12 min S3 = 10% ED	2800	CCW	150A	179.8
VNKPP040107.1	Motor Fan. T112 24DC 2200W w/ Relay	S2 = 8min S3 = 20% ED	2900	CCW	150A	179.8

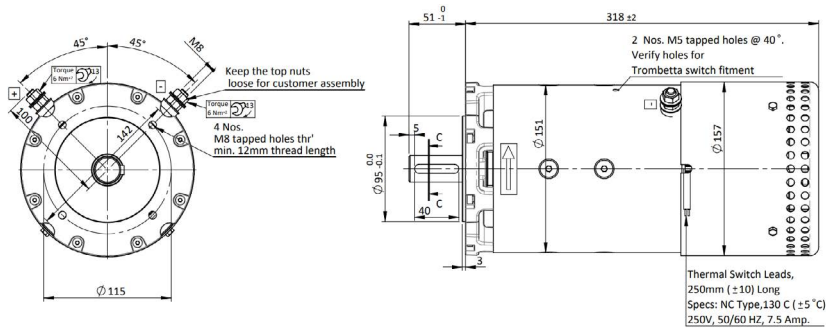
T-125 Fan



Reference	Description	Nominal Duty cycle	Nominal Speed (rpm)	Rotation	Nominal Current	L (mm)
VNKPP040113	Motor Fan. T125 24DC 3000W w/o Relay	S2 = 12 min S3 = 10% ED	2800	CCW	120A	225



T-151 Fan



Reference	Description	Nominal Duty cycle	Nominal Speed (rpm)	Rotation	Nominal Current	L (mm)
VNKPP040114	Motor Fan. T151 12DC 2500W w/o Relay	S2 = 7 min S3 = 15% ED	1700	CCW	298A	318
VNKPP040116	Motor Fan. T151 24DC 3000W w/o Relay	S2 = 15 min S3 = 20% ED	1700	CCW	190A	318



### Connection Kit



Reference	Type
VNKPP040601	Kit connection T-80
VNKPP040602	Kit connection T-112/125/151

### Relays for DC motor



Reference	Type	Amp. (A)	Voltage (v)
VNKPP040606	Relay 12 DC 150A	150	12
VNKPP040607	Relay 24 DC 150A	150	24
VNKPP040608	Relay 48 DC 150A	150	48
VNKPP040609	Relay 12 DC 300A	300	12
VNKPP040610	Relay 24 DC 300A	300	24

### DC Motor Protection cover



Reference	Type
VNKPP040611	Cover DC motor T-112



PLUGS BODY CENTRAL  
GROUPS K0, K1

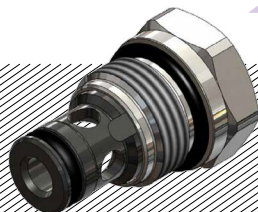
Reference	Dimension	Description	Symbols	Housing	Ass. Code
VNKPP050101		It allows to cover the housing of a valve leaving the way free by 2 and closing the way to 1.		A C D E S V	12
VNKPP050102		It allows the external shutter of a housing leaving the internal ways free.		C D E	13
VNKPP050103		It allows to transform the housing of a valve in an external intake P which communicates with 2, closing the way to 1.		C D E	14
VNKPP050104		It allows the 3/4fl 16h UNF thread from a housing to a 1/4fl bsp leaving the internal ways free. (Manometer)		C D E	15
VNKPP050105		It allows to transform the housing of one valve in and external intake T which communicates with 1, leaving the way free in 2.		C D E	16



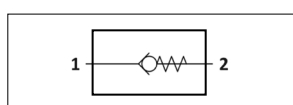
# CHECK VALVES

## GROUPS K0, K1

**VNKPP050201**

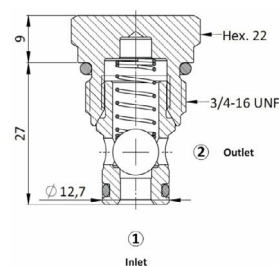
 ASS. CODE  
**17**


### SYMBOL



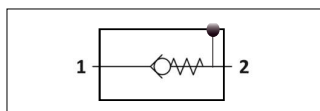
### MAIN FEATURES

Max pressure	250 bar
Max flow	20 l/min
Weight	0,055 kg
Cracking pressure	0,5 bar


**VNKPP050202**

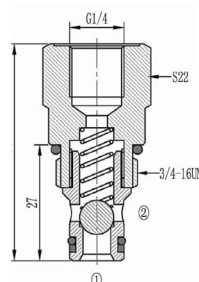
 ASS. CODE  
**17**


### SYMBOL



### MAIN FEATURES

Max pressure	250 bar
Max flow	20 l/min
Weight	0,065 kg
Cracking pressure	0,5 bar



### Check Valves

Reference	P (bar)	Flow (l/min)	Weight	Checking pressure	Ass. Code
VNKPP050201	420	20	0.055	0.5	17
VNKPP050202	250	20	0.065	0.5	17

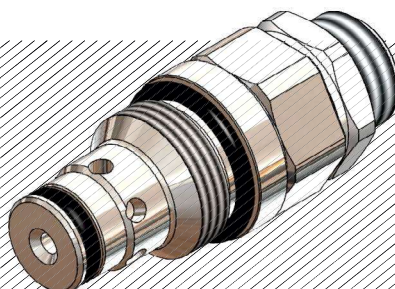


# RELIEF VALVES

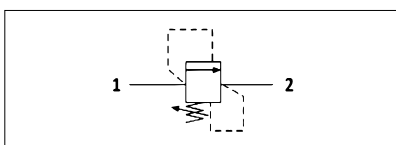
## GROUPS K0, K1

**VNKPP050302/3/4**

ASS. CODE

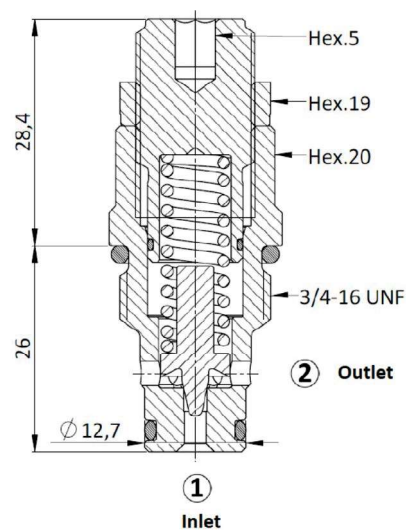
**18**


### SYMBOL



### MAIN FEATURES

Max pressure	420 bar
Max flow	25 l/min
Weight	0,100 kg



### RELIEF VALVES GROUP K0 & K1

Reference	Working Range (bar)
VNKPP050301	5 - 40
VNKPP050302	30 - 100
VNKPP050303	50 - 210
VNKPP050304	100 - 350



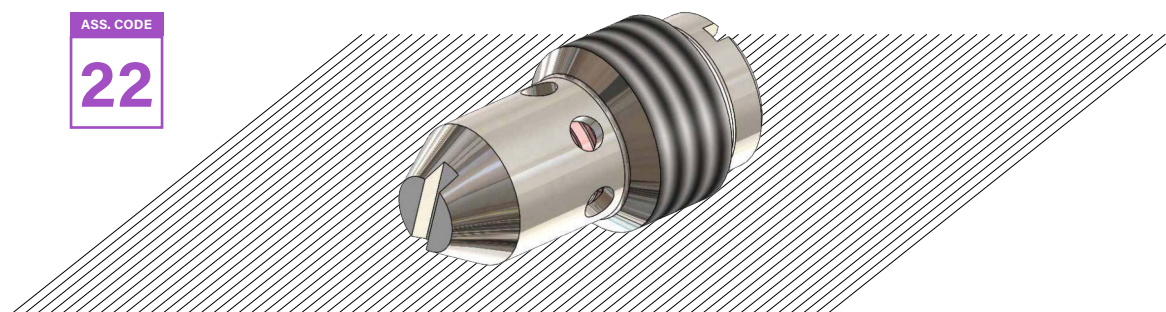
# FLOW REGULATOR

## GROUPS K0, K1

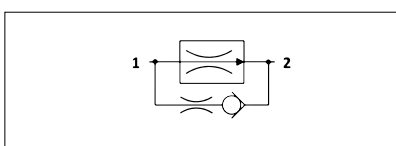
### Fixed Compensated Flow Regulator Threaded

ASS. CODE

22

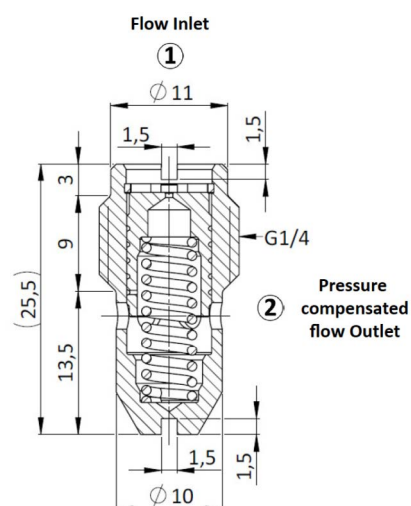


#### SYMBOL



#### MAIN FEATURES

Max pressure	250 bar
Max flow	12 l/min
Weight	0,013 kg



#### Compensated flow regulator

##### Group K0 & K1

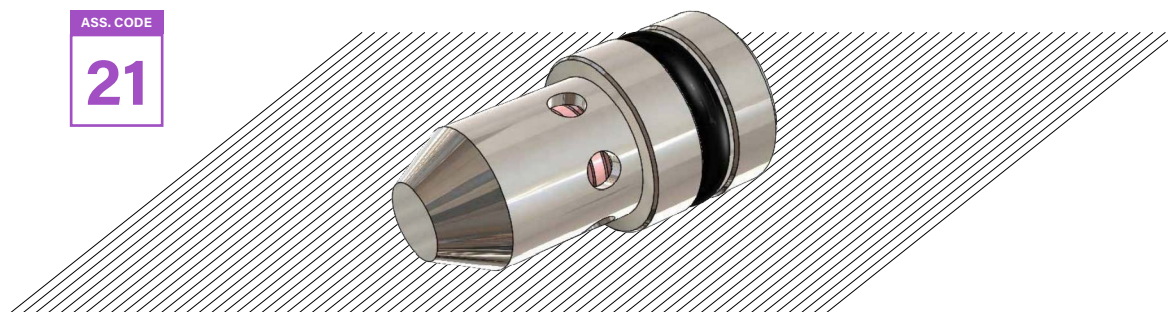
Ref.	Q (l/min.)	Ref.	Q (l/min.)
VNKPP050401	1.2	VNKPP050405	6
VNKPP050402	3	VNKPP050406	7
VNKPP050403	4	VNKPP050407	9
VNKPP050404	5	VNKPP050408	12



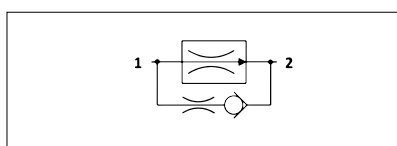
## Fixed Compensated Flow Regulator Inserted

ASS. CODE

21

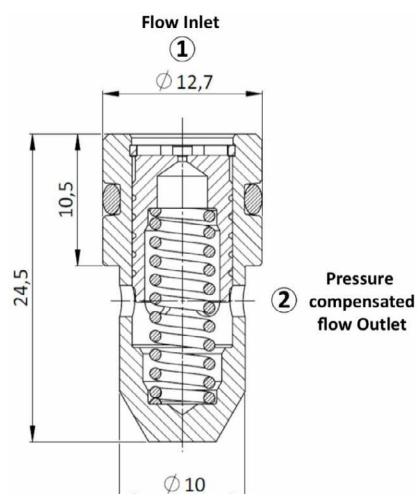


### SYMBOL



### MAIN FEATURES

Max pressure	250 bar
Max flow	12 l/min
Weight	0,013 kg



### Compensated flow inserted

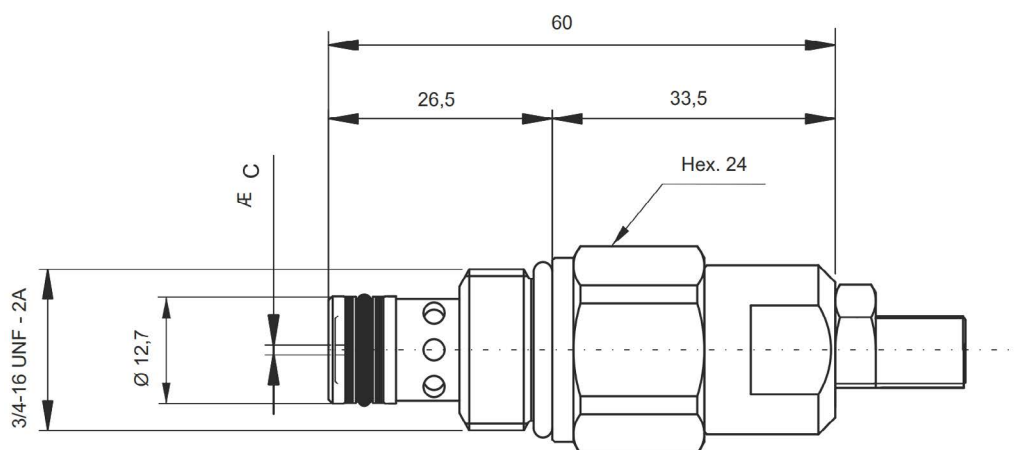
#### Group K0 & K1

Ref.	Q (l/min.)	Ref.	Q (l/min.)
VNKPP050411	1.2	VNKPP050415	6
VNKPP050412	2.5	VNKPP050416	7
VNKPP050413	4	VNKPP050419	9
VNKPP050414	5	VNKPP050418	12

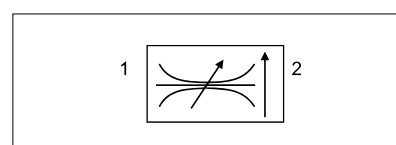




### 3/4-16 UNF Compensated Flow Regulator

 ASS. CODE  
**20**


#### SYMBOL



#### MAIN FEATURES

Max pressure	350 bar
Max flow	18 l/min
Weight	0,11 kg

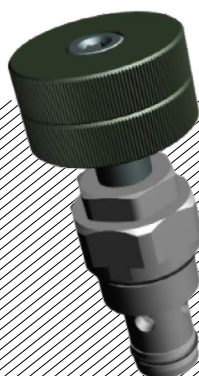
#### Range available

Ref.	ΔC	Controlled flow at 100 bar ± 10% l/min
VNKPP050420	1.2	2.5 + 5.0
VNKPP050421	2.8	4.9 + 10.8
VNKPP050422	4.8	8.0 + 18.5



## Flow Regulator 3/4-16 UNF

ASS. CODE	ASS. CODE
<b>19</b>	<b>3</b>

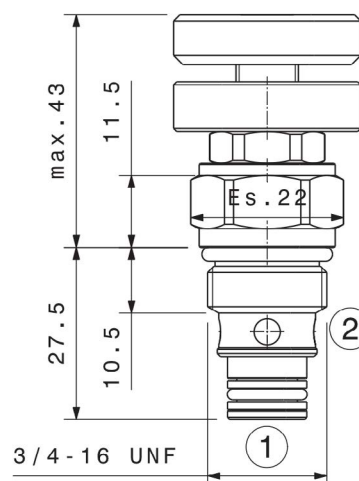


### MAIN FEATURES

Max pressure	350 bar
Max flow	40 l/min
Installation torque	27-30 Nm

### Adjustments

VNKPP050426	VNKPP050427
<p>Handknob and locknut</p>	<p>Leakproof hex socket screw</p>



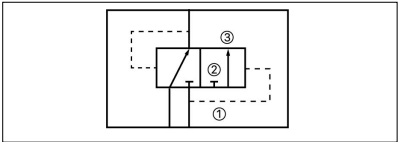
### FLOW REGULATOR 3/4 - 16 UNF

Reference	P (bar)	Flow (l/min)	Install Torque (Nm)	Handknob	Ass. Code
VNKPP050426	350	40	27-30	Yes	19
VNKPP050427	350	40	27-30	No	3



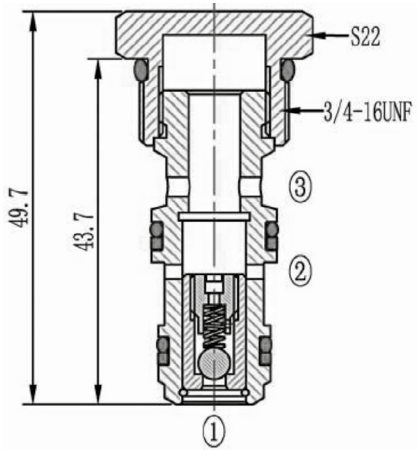
PILOTED VALVE  
3/4" UNF

SYMBOL



MAIN FEATURES

Operating pressure	240 bar
Internal leakage	5 drops/min
Temperature	-40°C→+120°C



PILOTED VALVE 3/4" UNF

Reference	Pressure (bar)	Internal leakage (drop/min)
VNKPP050504	240	5



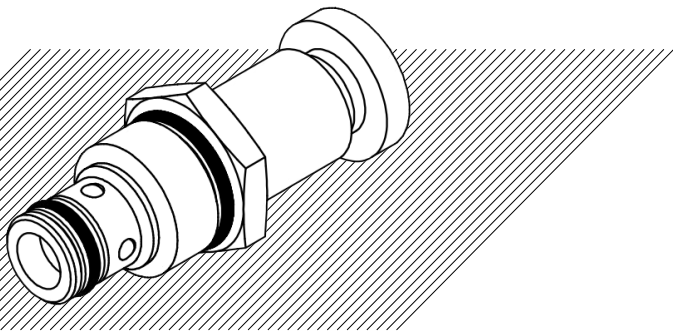
# MANUAL VALVES

## VNKPP050501

Manual Emergency Valves

The manual emergency valves open the passage of oil in a hydraulic circuit by a manual command (blocked flow in both directions).

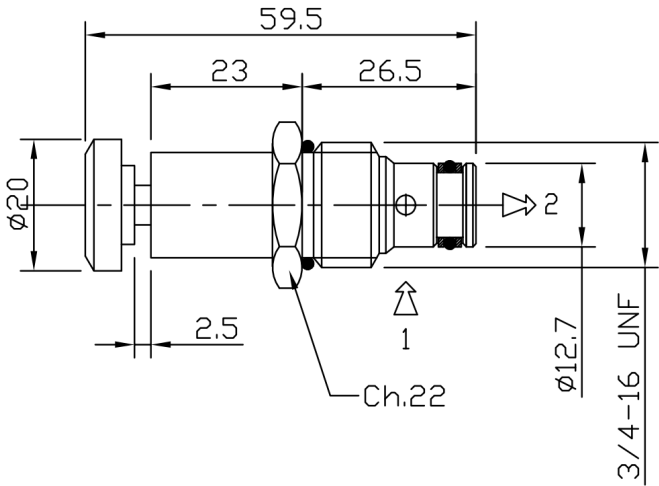
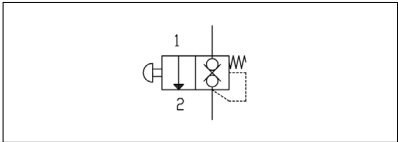
ASS. CODE  
**4**



### MAIN FEATURES

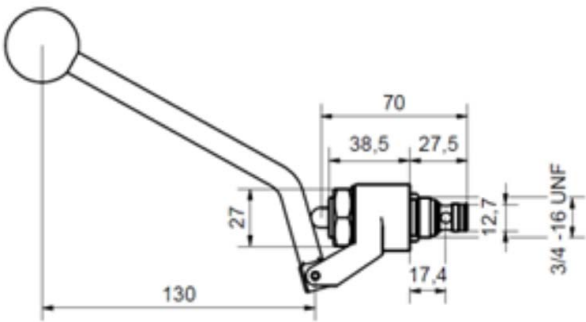
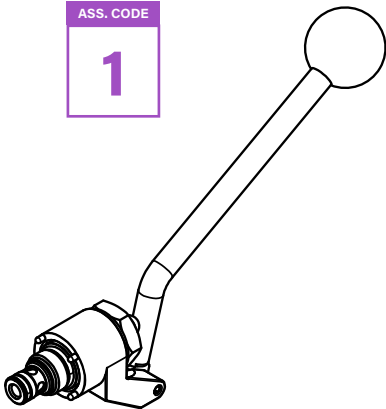
Max pressure	320 bar	
Max flow	25 l/min	1→2
Weight	0,15 kg	

### SYMBOL



## VNKPP050502

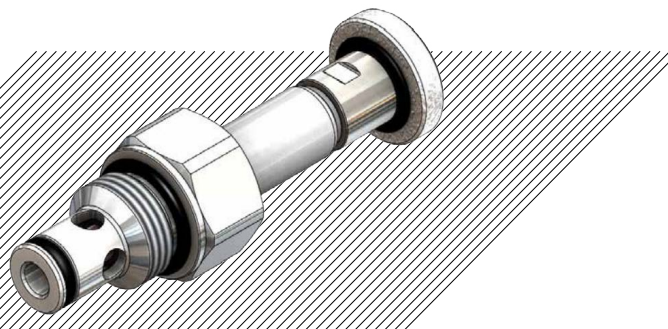
ASS. CODE  
**1**



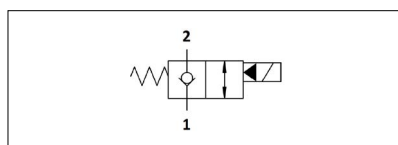
# SOLENOIDS 2/2

## GROUPS K0, K1

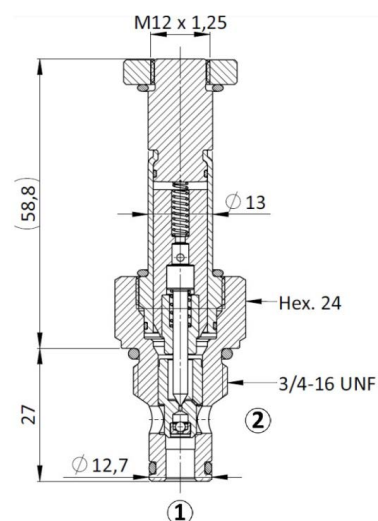
N.O. ASS. CODE	N.O. + Emergency ASS. CODE
<b>7</b>	<b>10</b>



### SYMBOL



SAE Cartridge - 350 bar  
 NO Single Lock Pilot Operated  
 Poppet Type

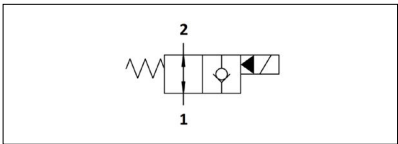


GROUPS K0, K1

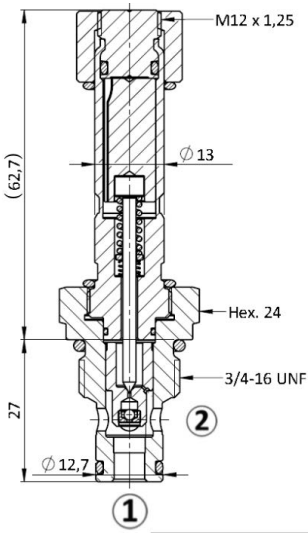
N.C.	N.C. + Emergency
ASS. CODE	ASS. CODE
8	9




SYMBOL



SAE Cartridge - 350 bar  
NC Single Lock Pilot Operated  
Poppet Type



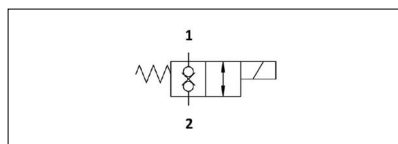
SOLENOIDS 2/2 GROUPS K0, K1				
Reference	Type	Q (l/m)	Max P (bar)	
VNKPP050601	N.C.	40	350	3/4 UNF
VNKPP050602	N.O.	40	350	3/4 UNF
VNKPP050603	N.O. + Emergency	40	350	3/4 UNF
VNKPP050604	N.C. + Emergency	40	350	3/4 UNF



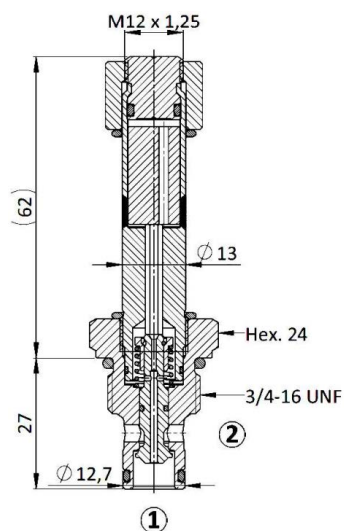
**DOUBLE CHECK VALVE**  
 With Emergency Groups K0, K1

ASS. CODE

6

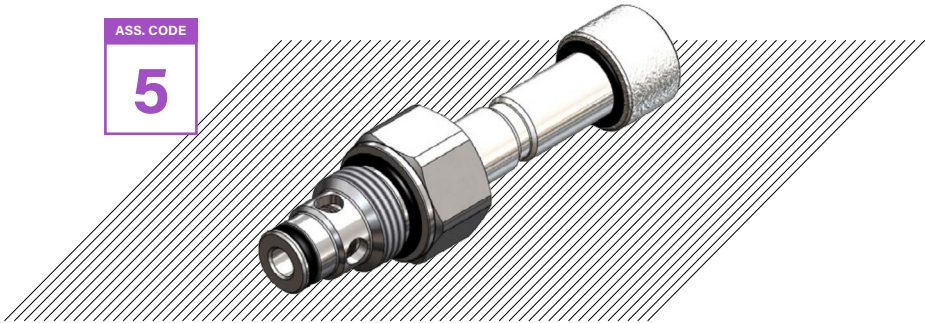

**SYMBOL**


SAE Cartridge - 250 bar  
 NC Double Lock Pilot Acting  
 Poppet Type

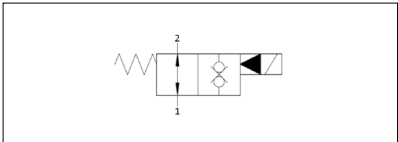


DOUBLE CHECK VALVE  
With Emergency Groups K0, K1

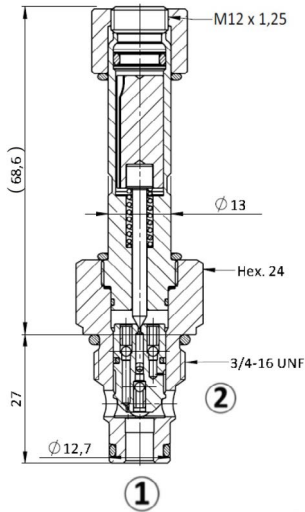
ASS. CODE  
**5**




SYMBOL



SAE Cartridge - 350 bar  
NO Double Lock Pilot Operated  
Poppet Type



SOLENOIDS 2/2 DOUBLE CHECK W/EMERG. GROUPS KO, K1

Reference	Type	Q (l/m)	Max P (bar)	
VNKPP050605	N.C. + Emergency	15	250	3/4 UNF
VNKPP050606	N.O. + Emergency	40	350	3/4 UNF



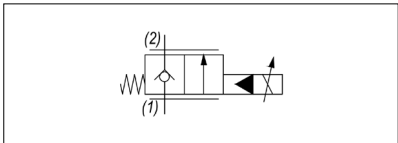


ASS. CODE

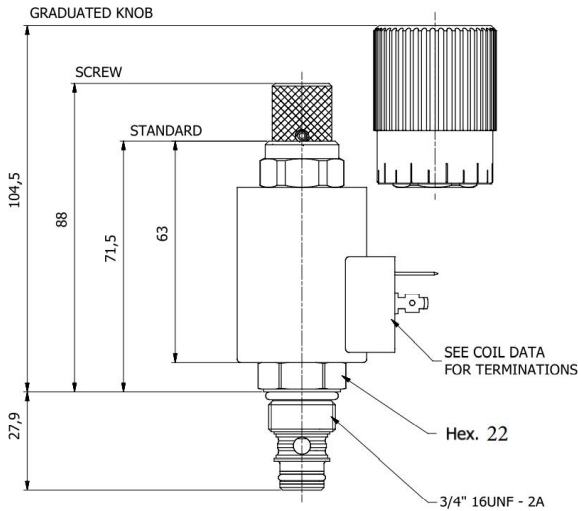
11

WITHOUT EMERGENCY  
Groups K0, K1


SYMBOL



SAE Cartridge - 250 bar  
NC Double Lock Pilot Acting  
Poppet Type



SOLENOIDS 2/2 PROPORTIONAL W/O EMERG. GROUPS K0, K1

Reference	Type	Q (l/m)	Voltage	
VNKPP050701	N.C.	25	12 dc	3/4 UNF
VNKPP050702	N.O.	25	24 dc	3/4 UNF

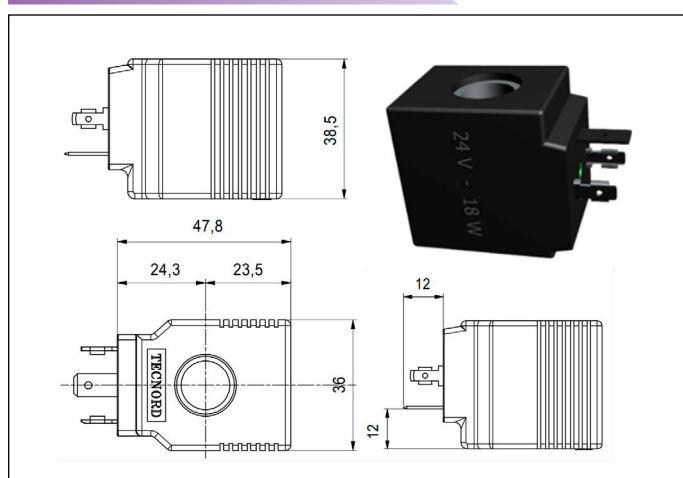
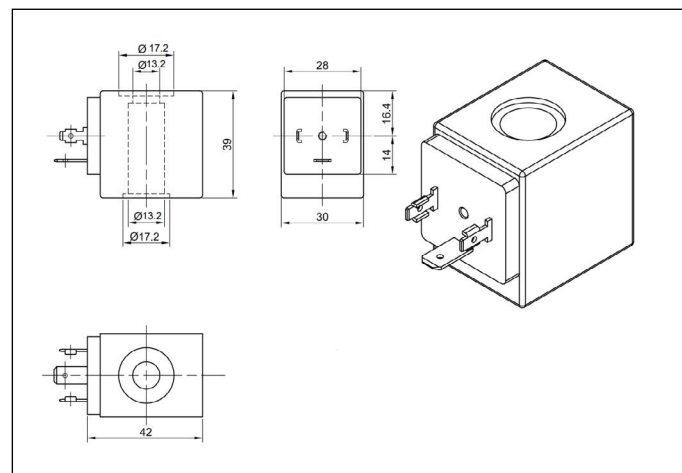


# COIL

## Groups K0, K1

### VNKPP05080x

### VNKPP05080x



### COIL. GROUPS K0, K1

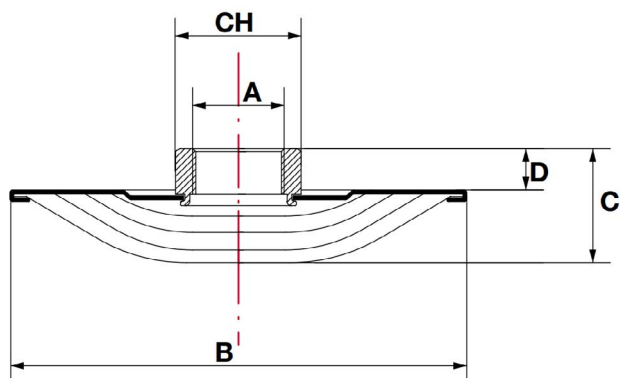
Reference	Ø	Watt	Voltage
VNKPP050801	13	18	12 DC
VNKPP050802	13	18	24 DC
VNKPP050804	13	18	110 RAC
VNKPP050804	13	18	220 RAC
VNKPP050901	13	22	12 DC
VNKPP050902	13	22	24 DC
VNKPP050903	13	22	26 DC
VNKPP050904	13	22	110 RAC
VNKPP050905	13	22	220 RAC



# **FILTERS**

## **Groups K0, K1**

### **Suction Filters** **Groups K0, K1**

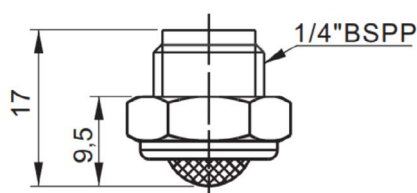


Reference	A	B	C	D	CH	Filtering Surface	Flow
	(mm)	(mm)	(mm)	(mm)	(mm)	(cm <sup>2</sup> )	(l/min)
VNKPP060101	3/8	63	20	8	22	120	13
VNKPP060102	3/8	80	21	7	22	100	14

### **VNKPP060103**

#### **Relief valve return filter**

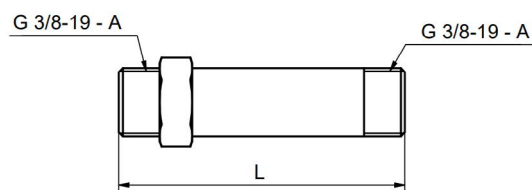
To be mounted in cavity Tr



It reduces foam and noise when relief valve is laminating.  
Recommended for all vertical mounting tanks.



## Suction Tube Groups K0, K1

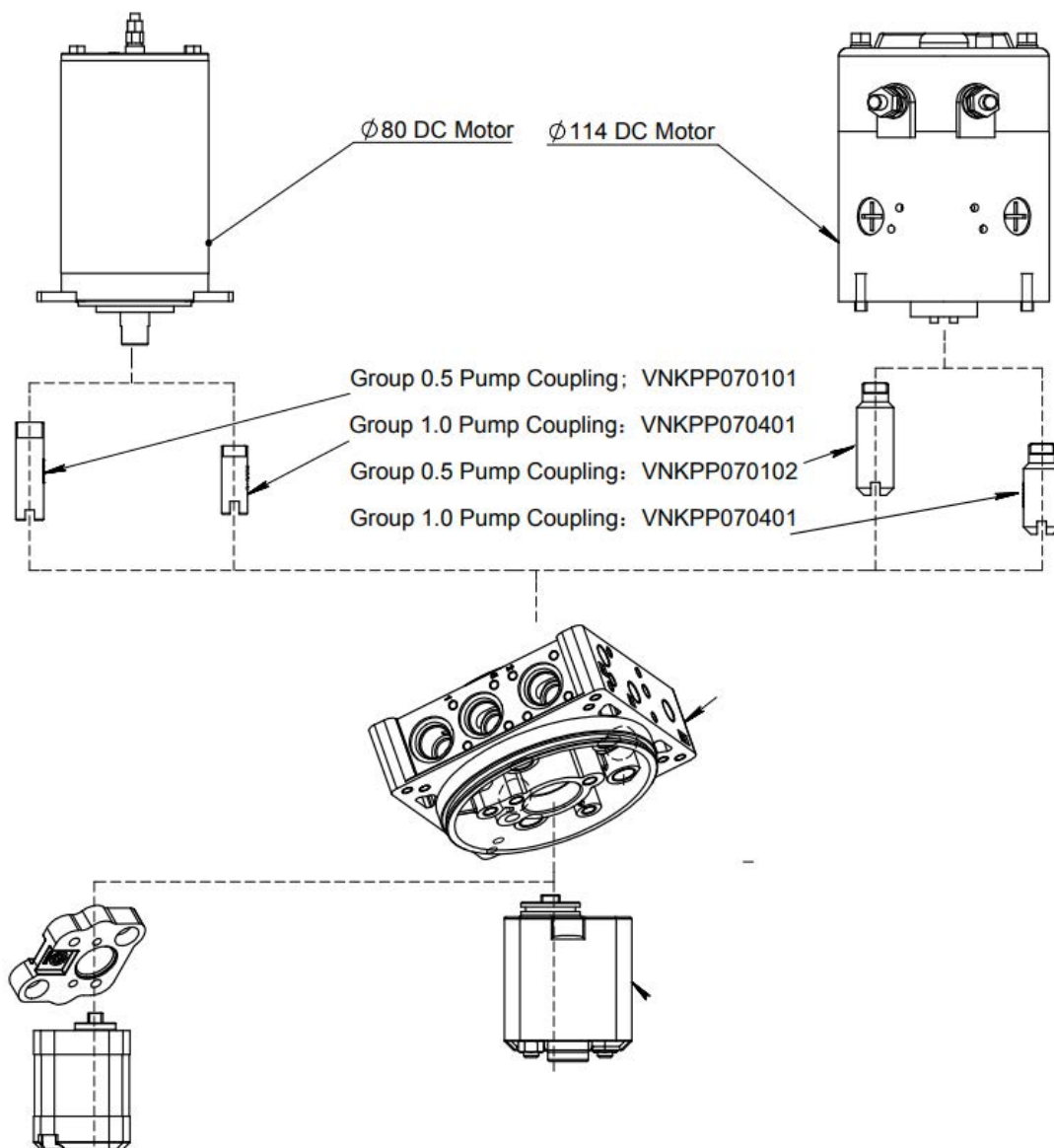


SUCTION TUBE GROUP K1			
Reference	L (mm)	Reference	L (mm)
VNKPP060301	35	VNKPP060307	175
VNKPP060302	70	VNKPP060308	205
VNKPP0603013	80	VNKPP060309	240
VNKPP060304	100	VNKPP060310	315
VNKPP060305	130	VNKPP060311	400
VNKPP060306	160		

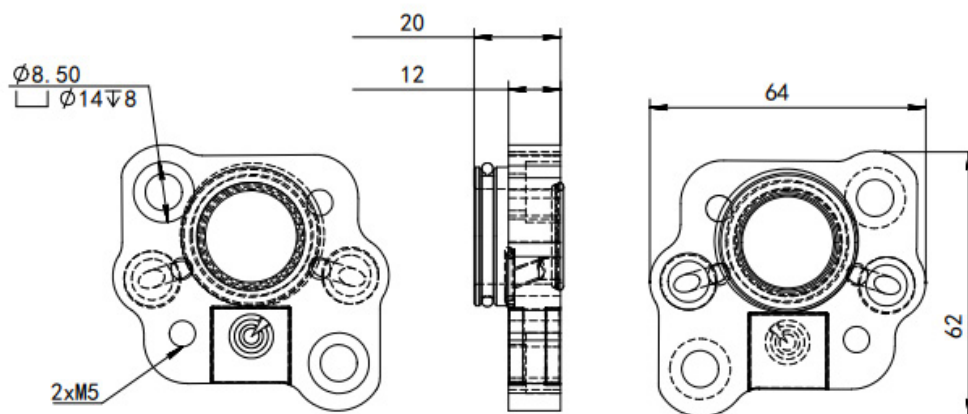
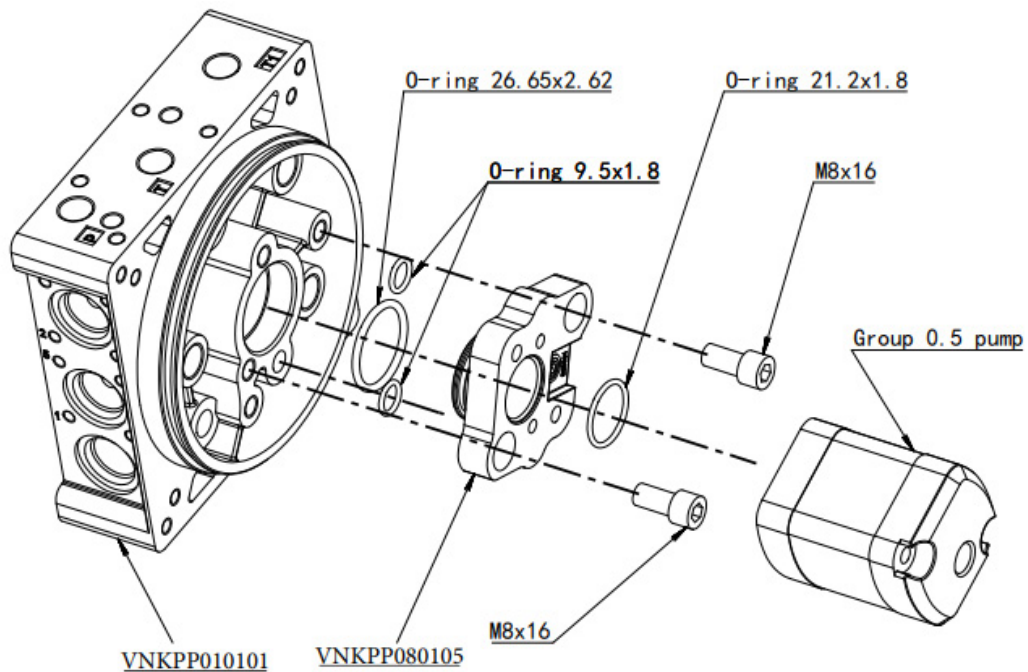


# COUPLINGS

## DC motors pumps assembly guide



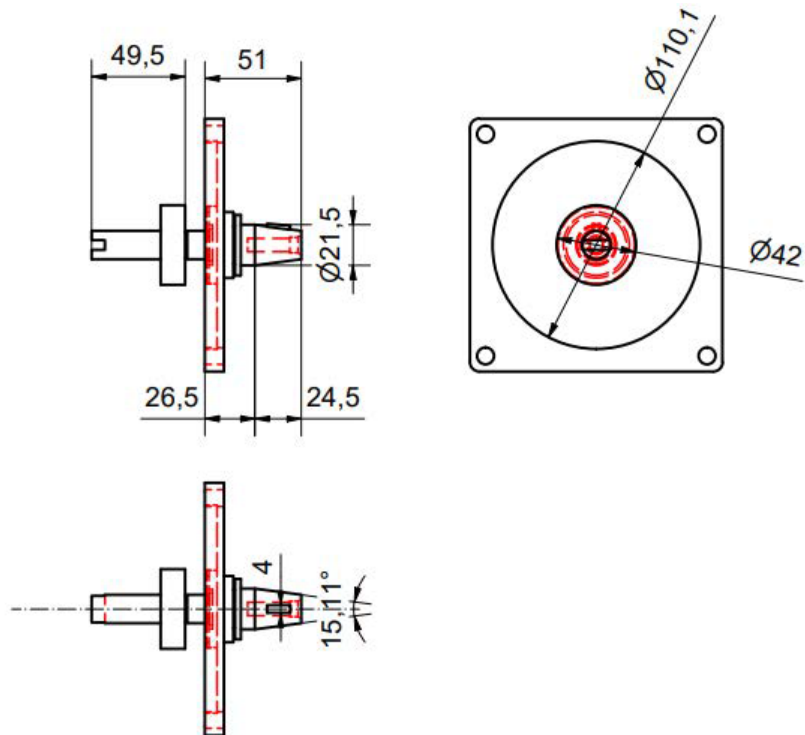
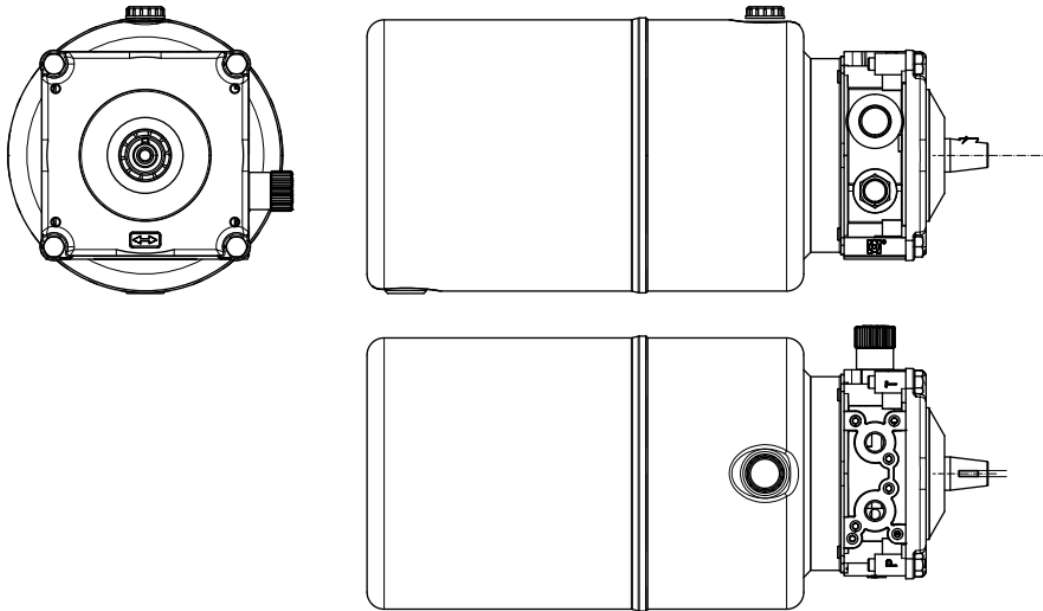
## Manifold and group 0.5 pump assembly



Model	Weight/kg
VNKPP080105	0.07

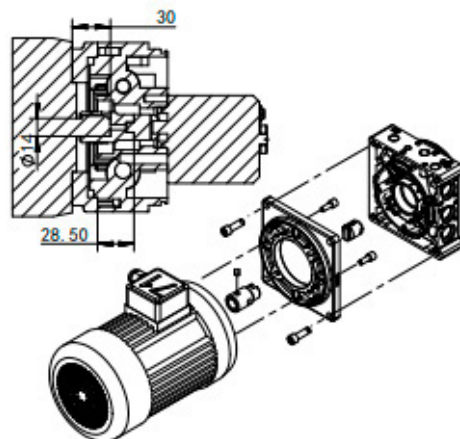
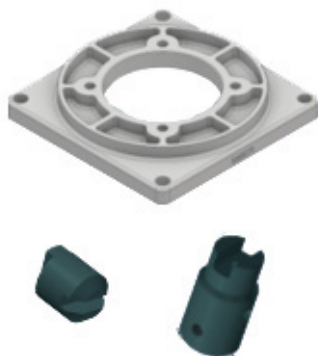


## COUPLING PULLEY

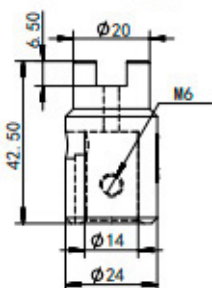


## Coupling T-71

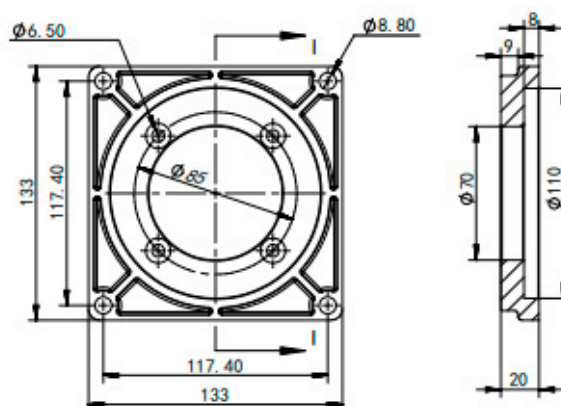
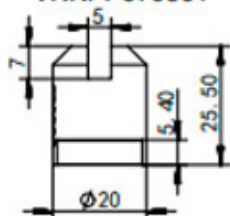
## MOUNTING KIT FOR FRAME 71 B14 AC MOTORS



## Couplings

Motor Side  
VNKPP070502

## Aluminum Flange: VNKPP080202

Group 1.0 Pump Side  
VNKPP070501

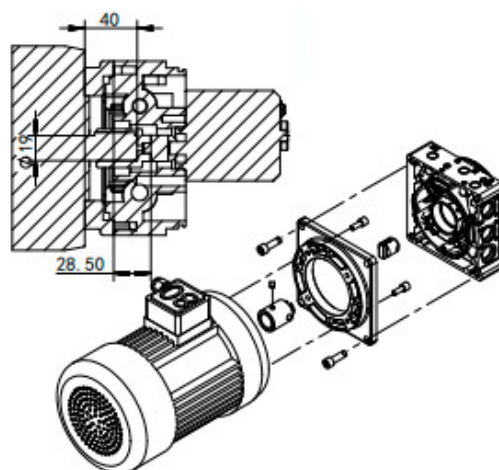
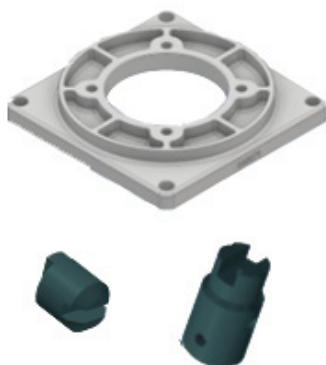
Description	Part Number	Weight (kg)
Motor Side Coupling	VNKPP070502	0.095
Group 1.0 Pump Side Coupling	VNKPP070501	0.050
Aluminium Flange	VNKPP080202	0.30
Motor Flange Assembly Screw	4X DIN 912 M6X16	0.030
Manifold Flange Assembly Screw	4X DIN 912 M8X25	0.060
Coupling Screw	DIN 912 M6X8	-



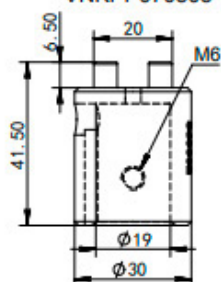


## Coupling T-80

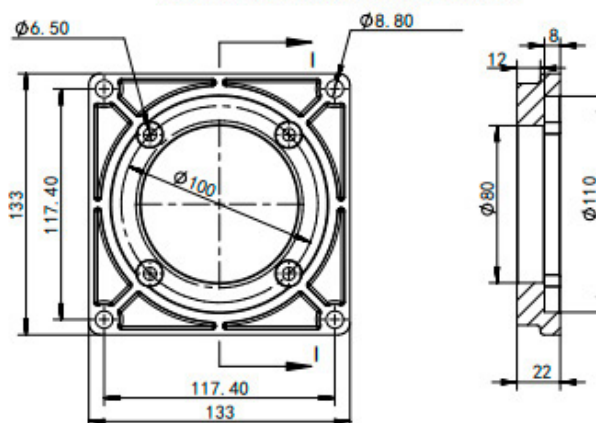
### MOUNTING KIT FOR FRAME 80 B14 AC MOTORS



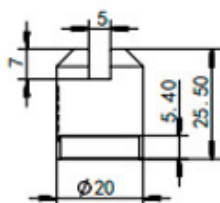
**Couplings**  
Motor Side  
VNKPP070503



**Aluminum Flange: VNKPP080203**



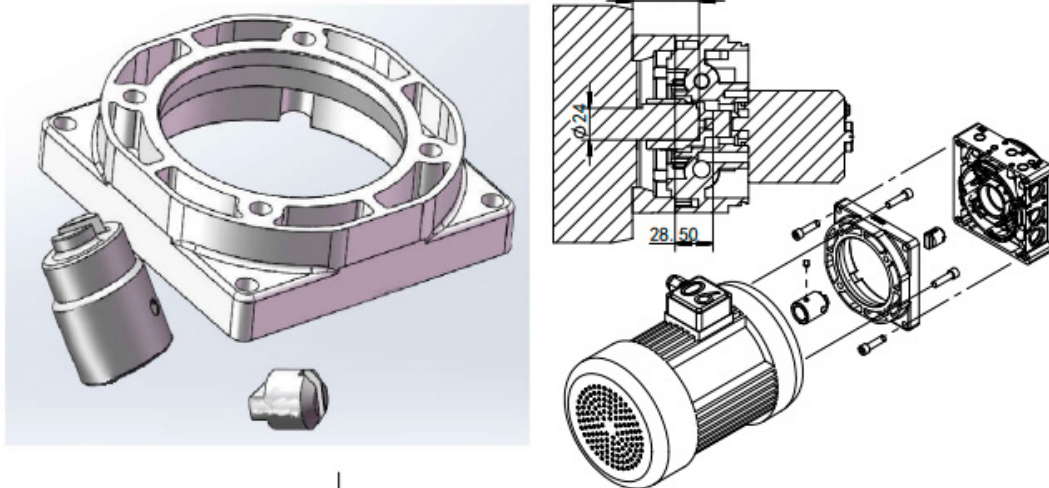
**Group 1.0 Pump Side**  
VNKPP070501



Description	Part Number	Weight (kg)
Motor Side Coupling	VNKPP070503	0.125
Group 1.0 Pump Side Coupling	VNKPP070501	0.050
Aluminium Flange	VNKPP080203	0.310
Motor Flange Assembly Screw	4X DIN 912 M6X16	0.030
Manifold Flange Assembly Screw	4X DIN 912 M8X25	0.060
Coupling Screw	M6X8	-

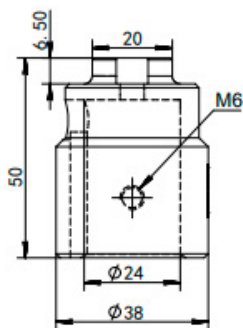


## Coupling T-90

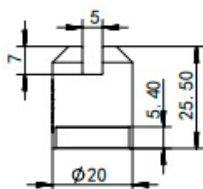


## Couplings

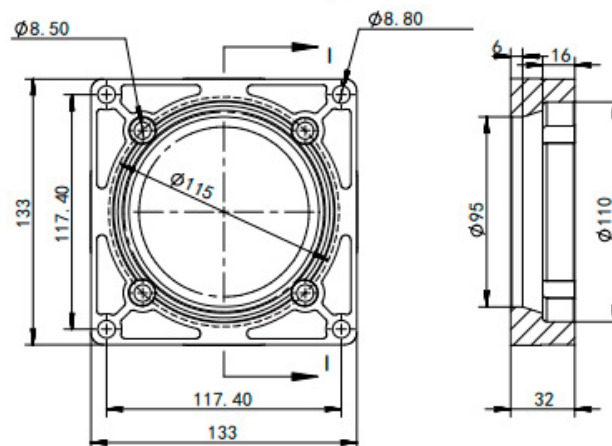
Motor Side  
VNKPP070504



Group 1.0 Pump Side  
VNKPP070501



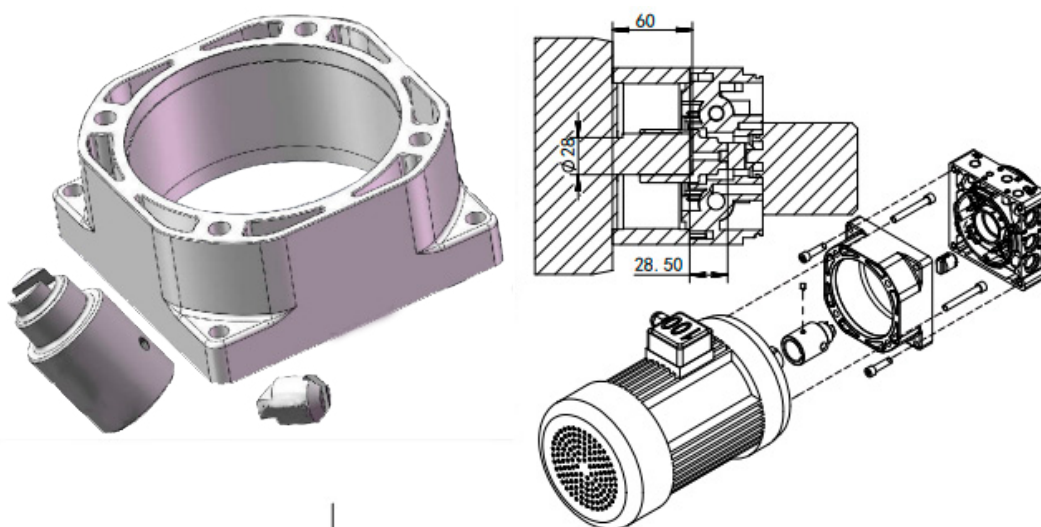
Aluminum Flange: VNKPP080204



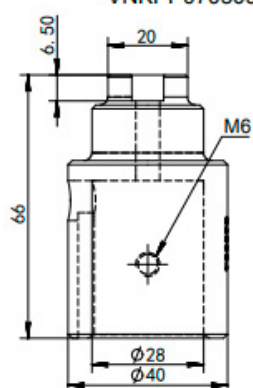
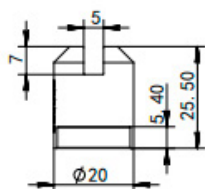
Description	Part Number	Weight (kg)
Motor Side Coupling	VNKPP070504	0.220
Group 1.0 Pump Side Coupling	VNKPP070501	0.050
Aluminium Flange	VNKPP080204	0.390
Motor Flange Assembly Screw	4X DIN 912 M8X16	0.050
Manifold Flange Assembly Screw	4X DIN 912 M8X30	0.065
Coupling Screw	DIN 912 M6X8	-



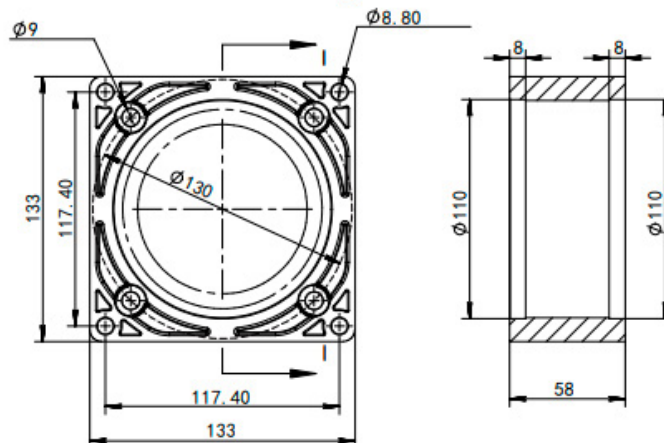
## Coupling T-100/112



## Couplings

Motor Side  
VNKPP070505Group 1.0 Pump Side  
VNKPP070501

## Aluminum Flange: VNKPP080205

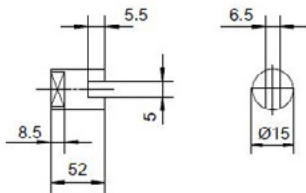


Description	Part Number	Weight (kg)
Motor Side Coupling	VNKPP070504	0.310
Group 1.0 Pump Side Coupling	VNKPP070501	0.050
Aluminium Flange	VNKPP070204	0.700
Motor Flange Assembly Screw	4X DIN 912 M8X55	0.125
Manifold Flange Assembly Screw	4X DIN 912 M8X30	0.065
Coupling Screw	DINM6X8	-

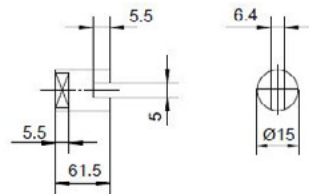


## Coupling K0 to K1

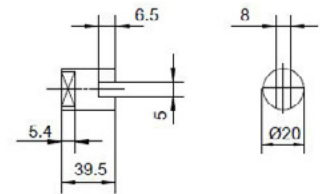
VNKPP070101



VNKPP070102

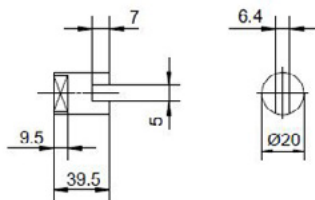


VNKPP070103

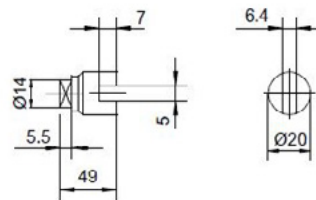


## Coupling Group K1

VNKPP070401



VNKPP070402



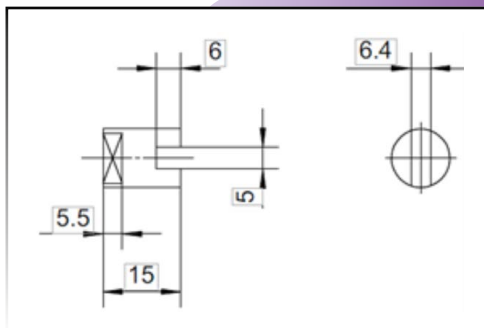
### COUPLINGS GROUP K1

Reference	Type	Range (bar)
VNKPP070101	T-80 DC	-
VNKPP070102	T-112 DC	-
VNKPP070103	T-71...T-80 AC	-
VNKPP070401	T-80 DC	-
VNKPP070402	T-112 DC	-

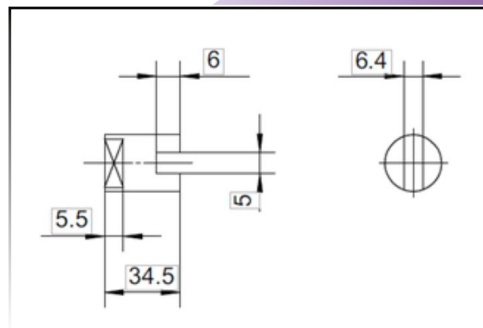


## Couplings and Flanges group K0

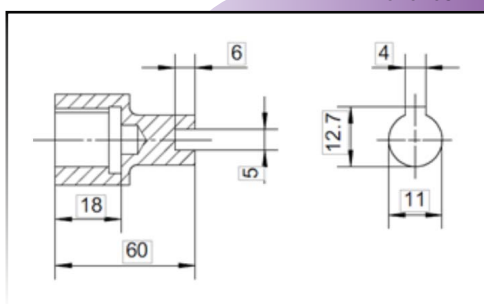
VNKPP070201



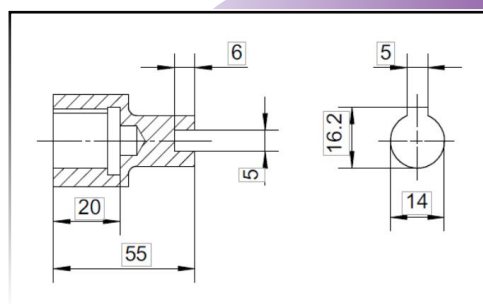
VNKPP070202



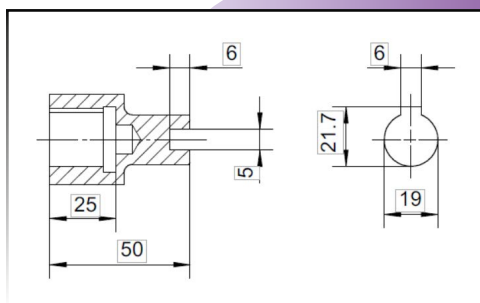
VNKPP070203



VNKPP070204



VNKPP070205

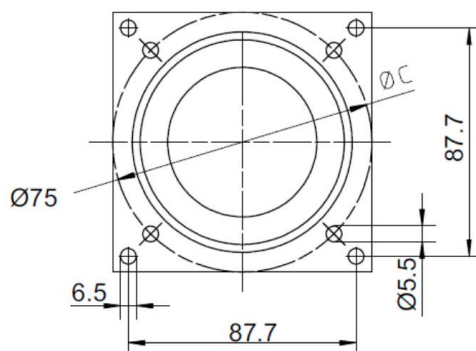
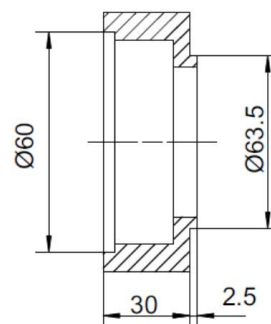
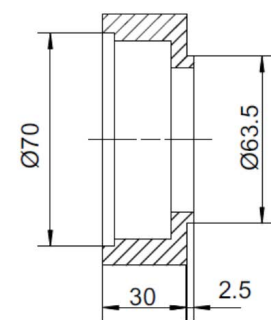
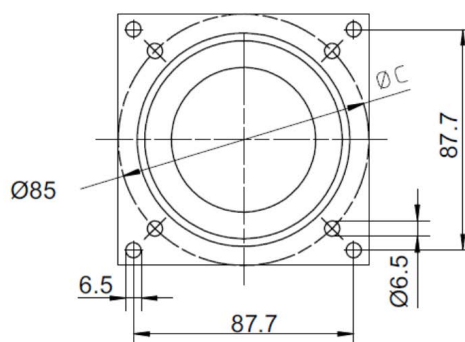
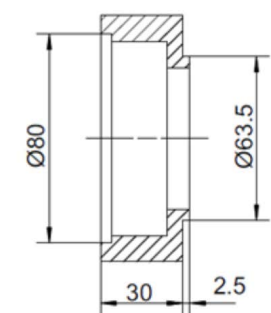
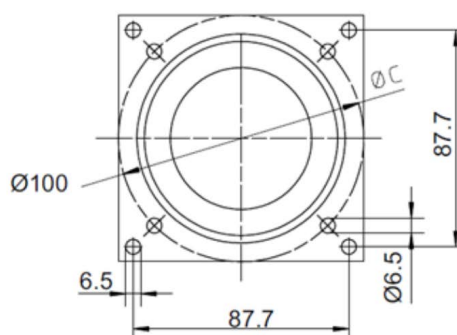


### COUPLING GROUP K0

Reference	Type	Range
VNKPP070201	T-80 DC	-
VNKPP070202	T-112 DC	-
VNKPP070203	T-63 AC	0.16...0.25CV
VNKPP070204	T-71 AC	0.33...0.5 CV
VNKPP070205	T-80 AC	0.75...1 CV



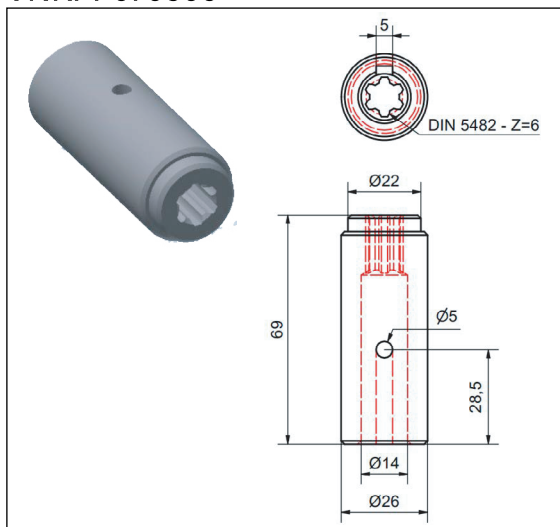
## Flanges group K0


**VNKPP080102**

**VNKPP080103**

**VNKPP080104**


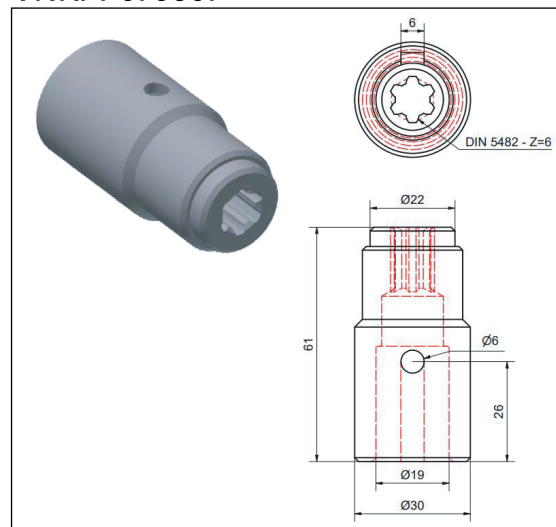


**Couplings Splined group K1**

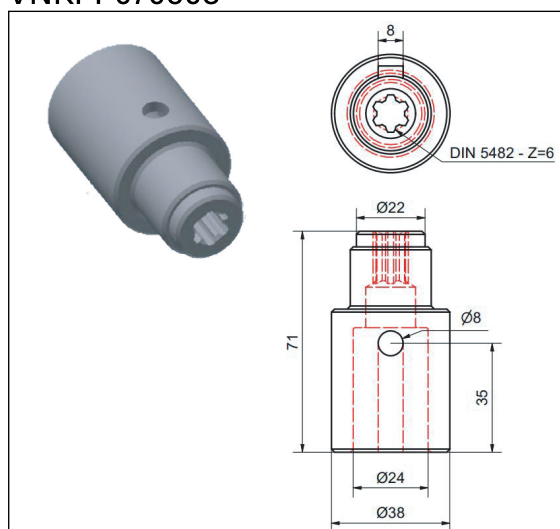
VNKPP070506



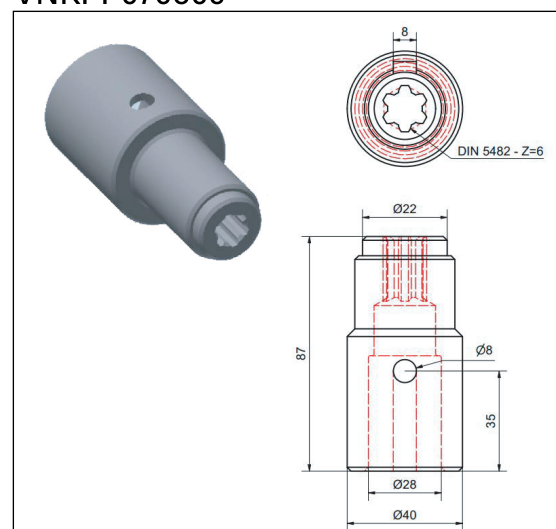
VNKPP070507



VNKPP070508



VNKPP070509

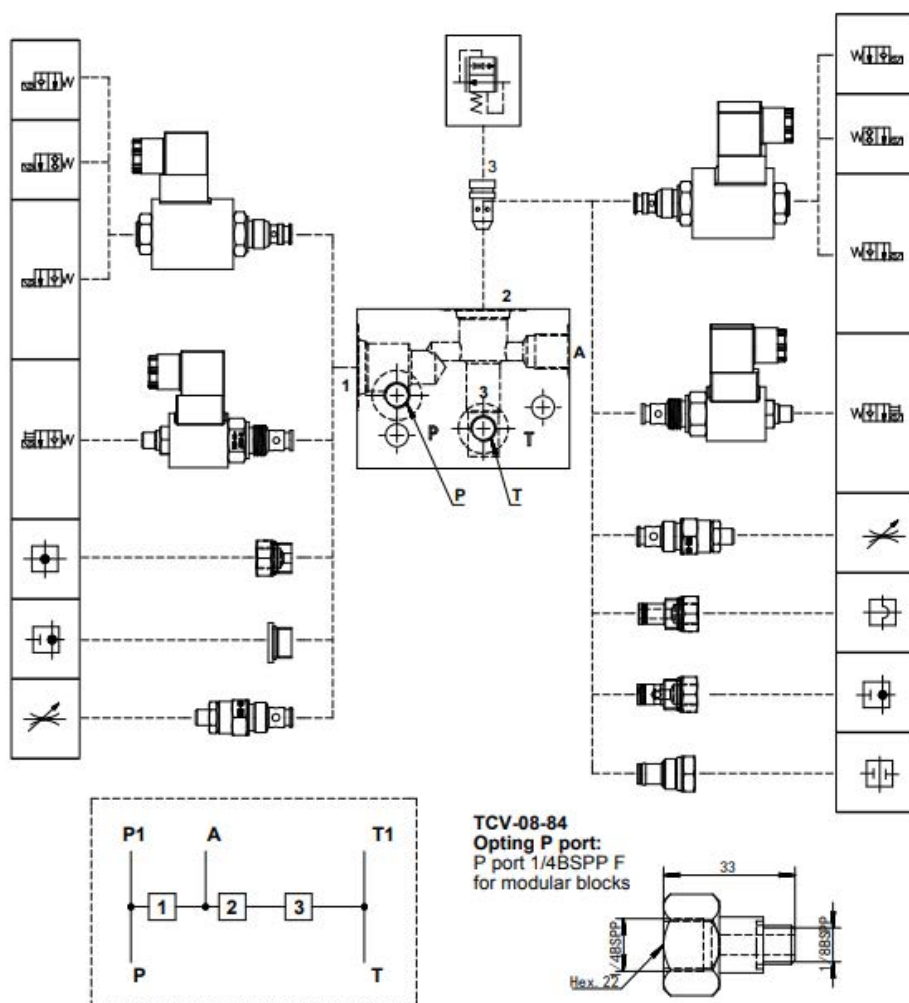
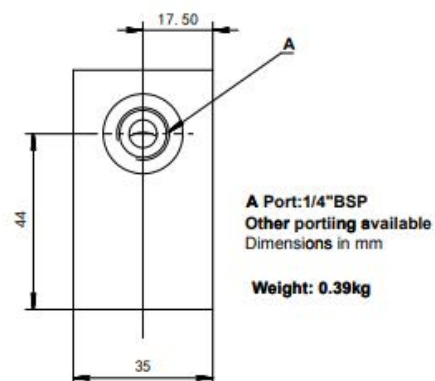
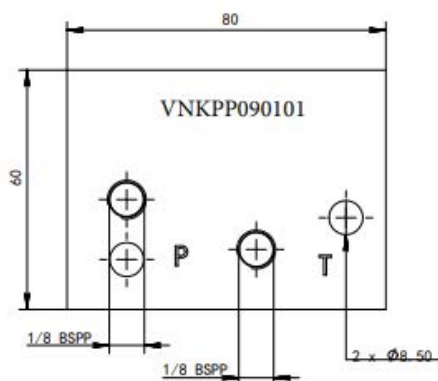

**COUPLING SPLINED GROUP K1**

Reference	Type	Range
VNKPP070506	T-71 AC	0.33...0.5 CV
VNKPP070507	T-80 AC	0.75...1 CV
VNKPP070508	T-90 AC	1.5...2 CV
VNKPP070509	T-100...T-112 AC	3...5.5 CV



# BLOCKS

## Manifold block assembly





## Block types

ORDER CODE	DESCRIPTION	SYMBOL	DIMENSIONS
VNKPP090108	NG6(CETOP3) Modular Manifolds, Series connection Lateral Ports		<p> <b>P T Port: 1/8"BSPP</b>  <b>A B Port: 3/8"BSPP</b>            Other porting is available            Weight: 0.60kg            Dimensions in mm         </p>
VNKPP090105	Modular Manifold for 3/4-16 UNF Cartridges, Two Way, Two Position		<p> <b>P T Port: 1/8"BSPP</b>  <b>P1 C1 Port: 1/4"BSPP</b>  <b>C2 Port: 3/8"BSPP</b>            Other porting is available            Weight: 0.42kg            Dimensions in mm]         </p>
VNKPP090106	Motor Side 90° Rotation Manifold		<p> <b>P T Port: 1/8"BSPP</b>  <b>P1 T1 Port: 1/4"BSPP</b>            Dimensions in mm            Weight: 0.44kg         </p>

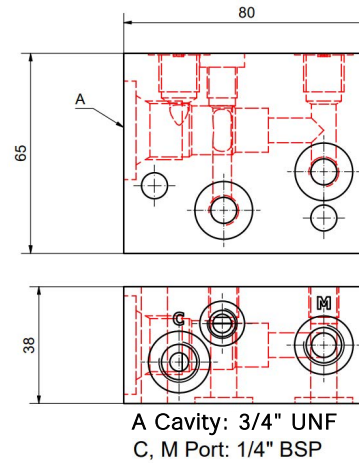
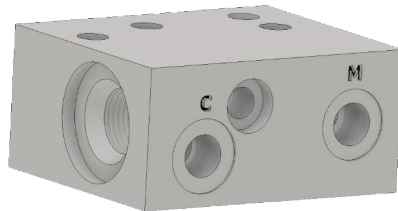


ORDER CODE	DESCRIPTION	SYMBOL	DIMENSIONS
VNKPP090107	Motor Side 90° Rotation Manifold		<p> <b>P T Port: 1/8"BSPP</b>  <b>P1 T1 Port: 1/4"BSPP</b>            Weight: 0.44kg            Dimensions in mm         </p>
VNKPP090113	Spacer Manifold Adapter		<p>           Weight: 0.25kg            Dimensions in mm         </p>
VNKPP090109	NG6(CETOP3) Modular Manifolds Parallel Connection Rear Ports		<p> <b>P T Port: 1/8"BSPP</b>  <b>A B Port: 3/8"BSPP</b>            Other porting is available            Weight: 0.58kg            Dimensions in mm         </p>
VNKPP090114	NG6(CETOP3) Modular Manifolds Parallel Connection Lateral Ports		<p> <b>P T Port: 1/8"BSPP</b>  <b>A B Port: 3/8"BSPP</b>            Other porting is available            Weight: 0.58kg            Dimensions in mm         </p>



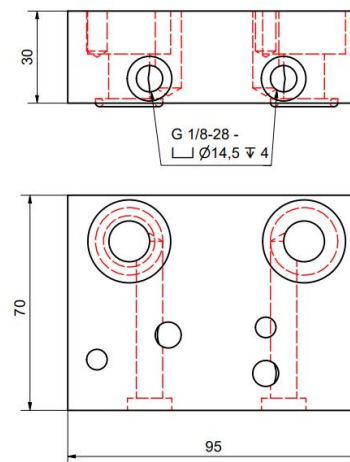
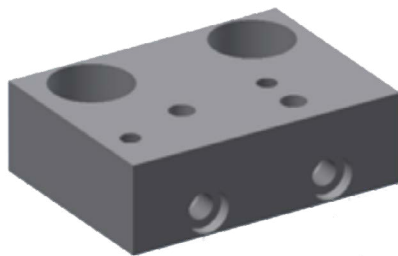
## Block piloted valve

VНКPP090116



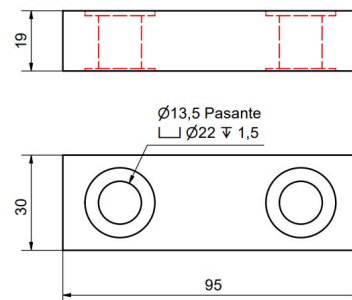
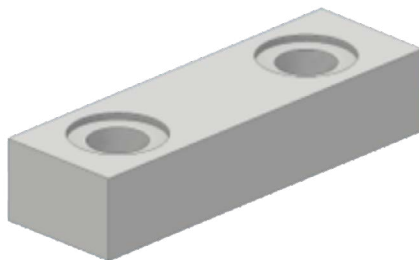
## Converter block K0/K1

VНКPP090001



## Space block K0

VНКPP090003

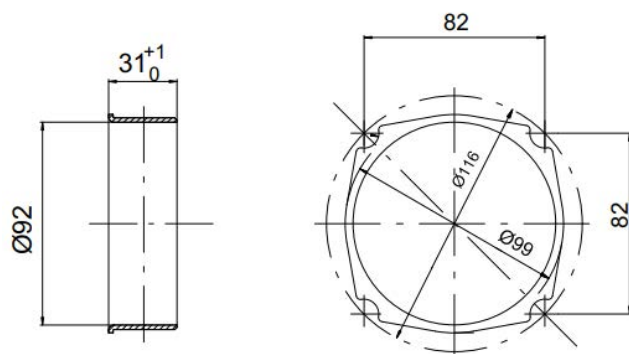
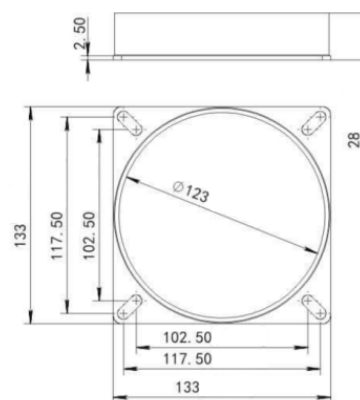


# NECK FOR TANKS

## GROUPS K0/K1

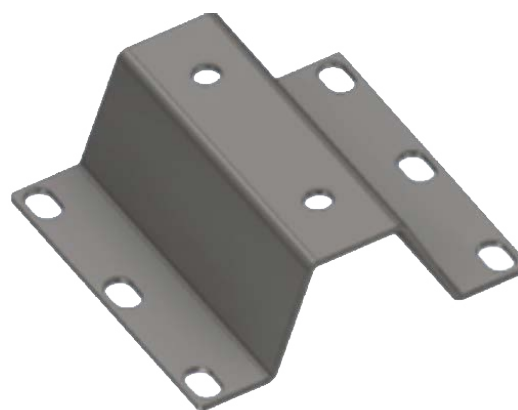
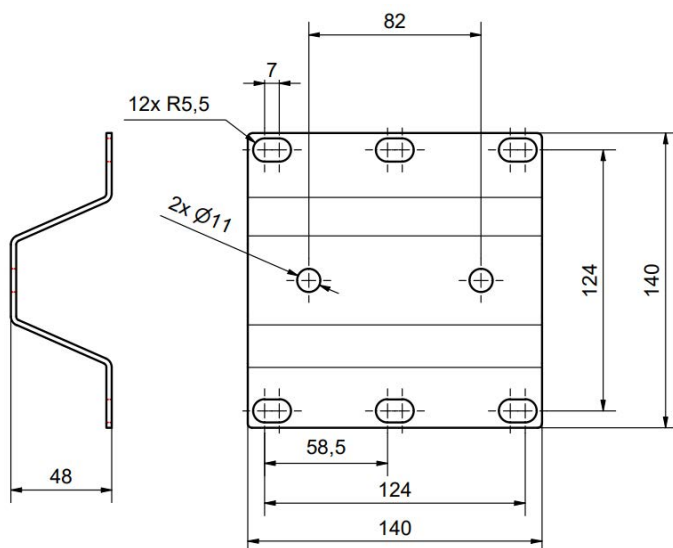
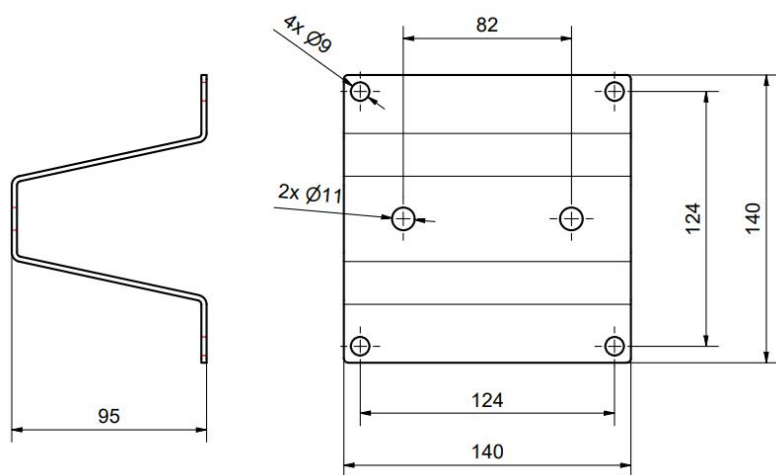


Reference	Dimensions (mm)	Type
VNKPP100101	92x31	K0
VNKPP100102	123x25	K1

**VNKPP100101****VNKPP100102**

# FIXING SUPPORT

## GROUPS K0/K1

**VNKPP100103**

**VNKPP100104**


Reference	Dimensions (mm)	Type
VNKPP100103	140X48	VPP-1
VNKPP100104	140X95	VPP-2



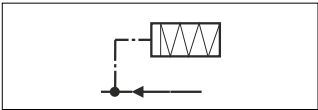
# VALVE SOFT-START

GROUP K1

ASS. CODE  
23



SYMBOL



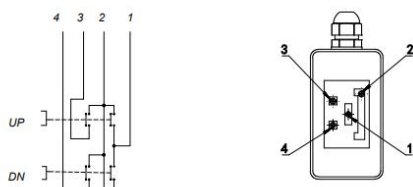
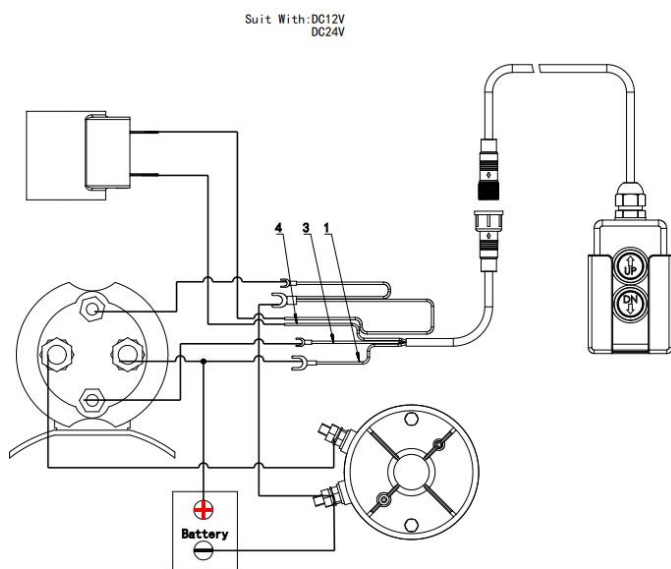
MAIN FEATURES

Max pressure	300 bar
Max flow	22 l/min
Min flow	2 l/min
Weight	0,0025 kg

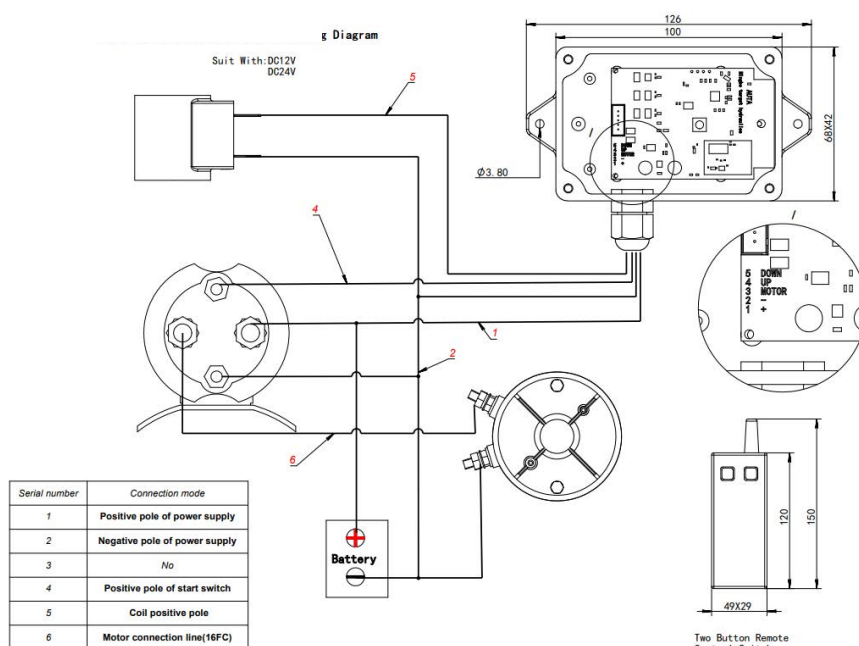
SOFT-START Group K1	
Reference	l/m
VNKPP100105	2-3
VNKPP100106	3-5
VNKPP100107	5-9
VNKPP100108	6-12
VNKPP100109	11-19



### Single action switch diagram

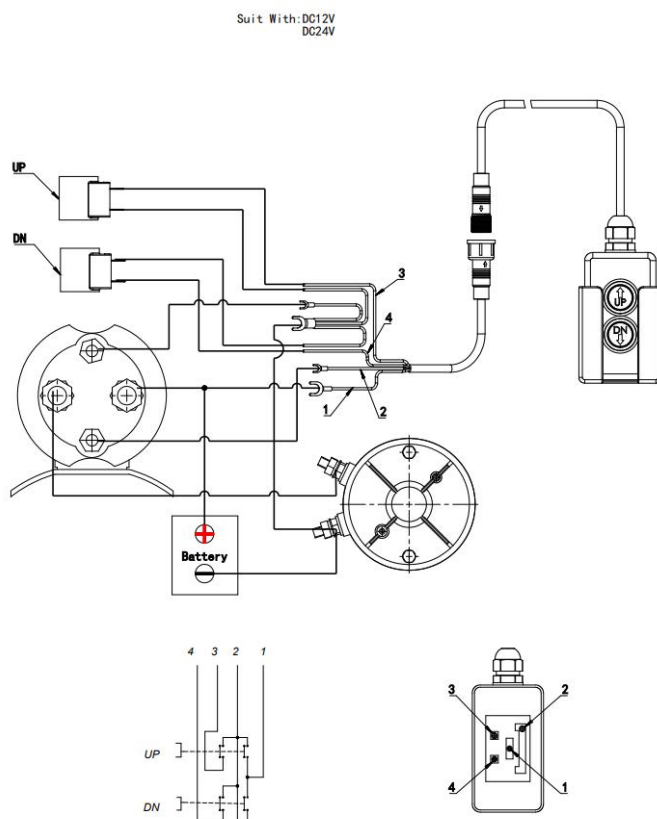


### Diagram

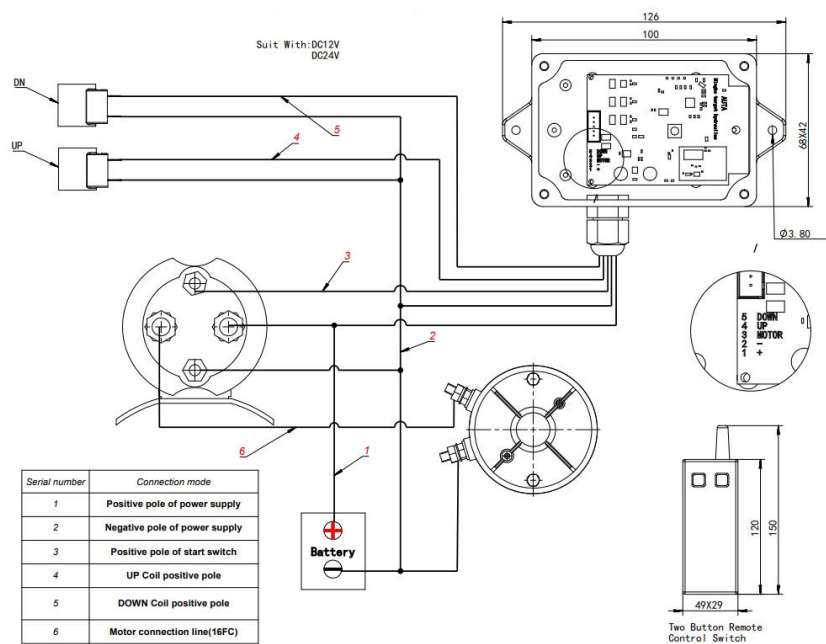




## Double action switch diagram

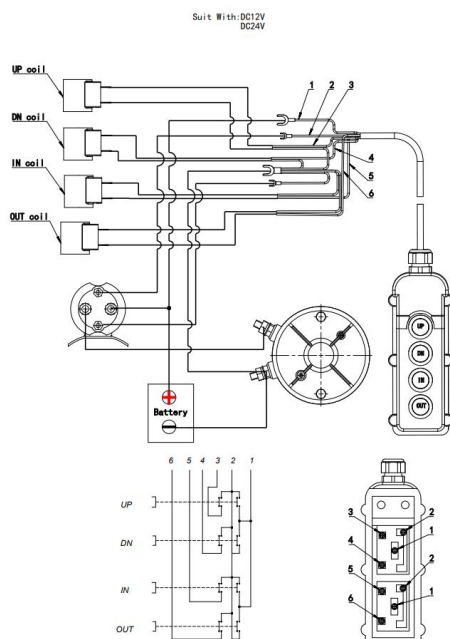


## Double action wireless remote diagram

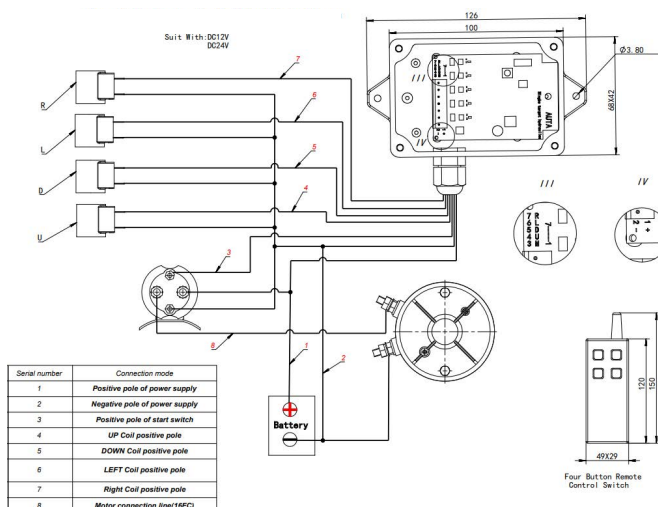




### Four buttons double action switch diagram



### Four buttons double action wireless remote diagram



### REMOTE CONTROL

Reference	Type	Nº of buttons	Length. (mm)
VNKPP100110	Single & Double action 1 cylinder	2	3000
VNKPP100111	Single & Double action 2 cylinder	4	3000
VNKPP100200	Single action Wireless	2	Wireless
VNKPP100201	Double action Wireless	2	Wireless
VNKPP100202	Single & Double action Wireless	4	Wireless



**RUBBER FITTING**  
**GROUPS K0, K1**

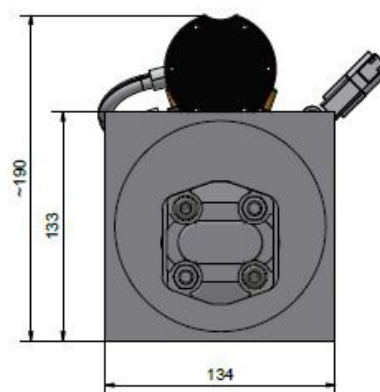
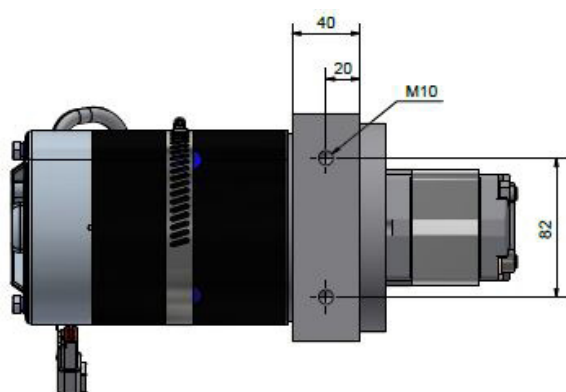
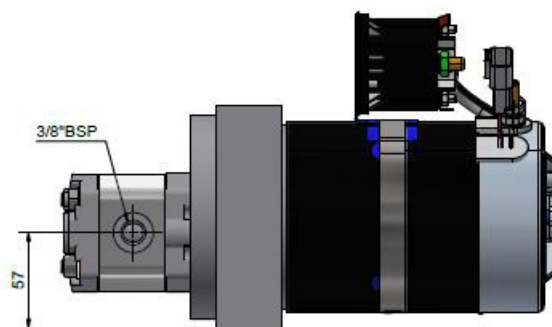
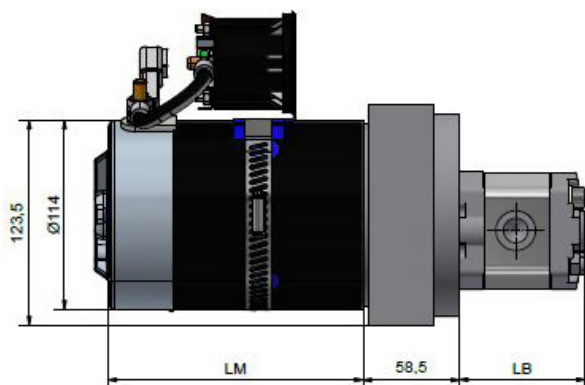


Rubber fitting			
Reference	Type	Nº of buttons	Long.
VNKPP100110	S & D action 1 cylinder	2	3000
VNKPP100111	S & D action 2 cylinder	4	3000



# MOTOR PUMP

## VMP-K1DC

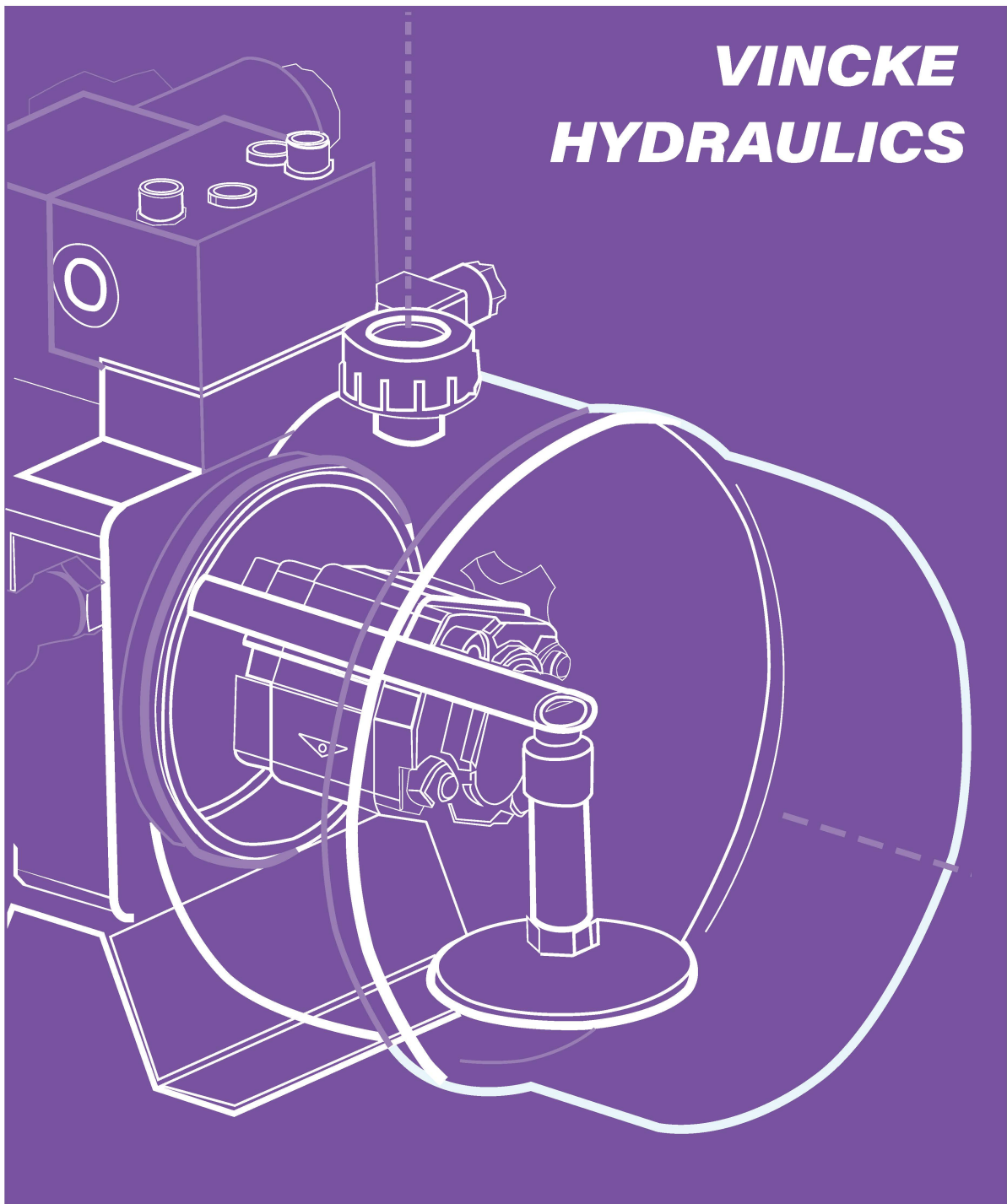


MOTOR PUMP VMP-K1DC

Reference	(cm <sup>3</sup> )	W	V	A	LM(mm)	LB(mm)
HIDESC002876	1,3	1600	12 DC	150	154	75
HIDESC002877	1,8	1600	12 DC	150	154	77
HIDESC002878	2,7	1600	12 DC	150	154	80
HIDESC002879	3,7	1600	12 DC	150	154	84
HIDESC002880	4,2	1600	12 DC	150	154	86
HIDESC002881	1,3	2200	24 DC	150	179,8	75
HIDESC002882	1,8	2200	24 DC	150	179,8	77
HIDESC002883	2,7	2200	24 DC	150	179,8	80
HIDESC002884	3,7	2200	24 DC	150	179,8	84
HIDESC002885	4,2	2200	24 DC	150	179,8	86
HIDESC002886	4,8	2200	24 DC	150	179,8	88



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