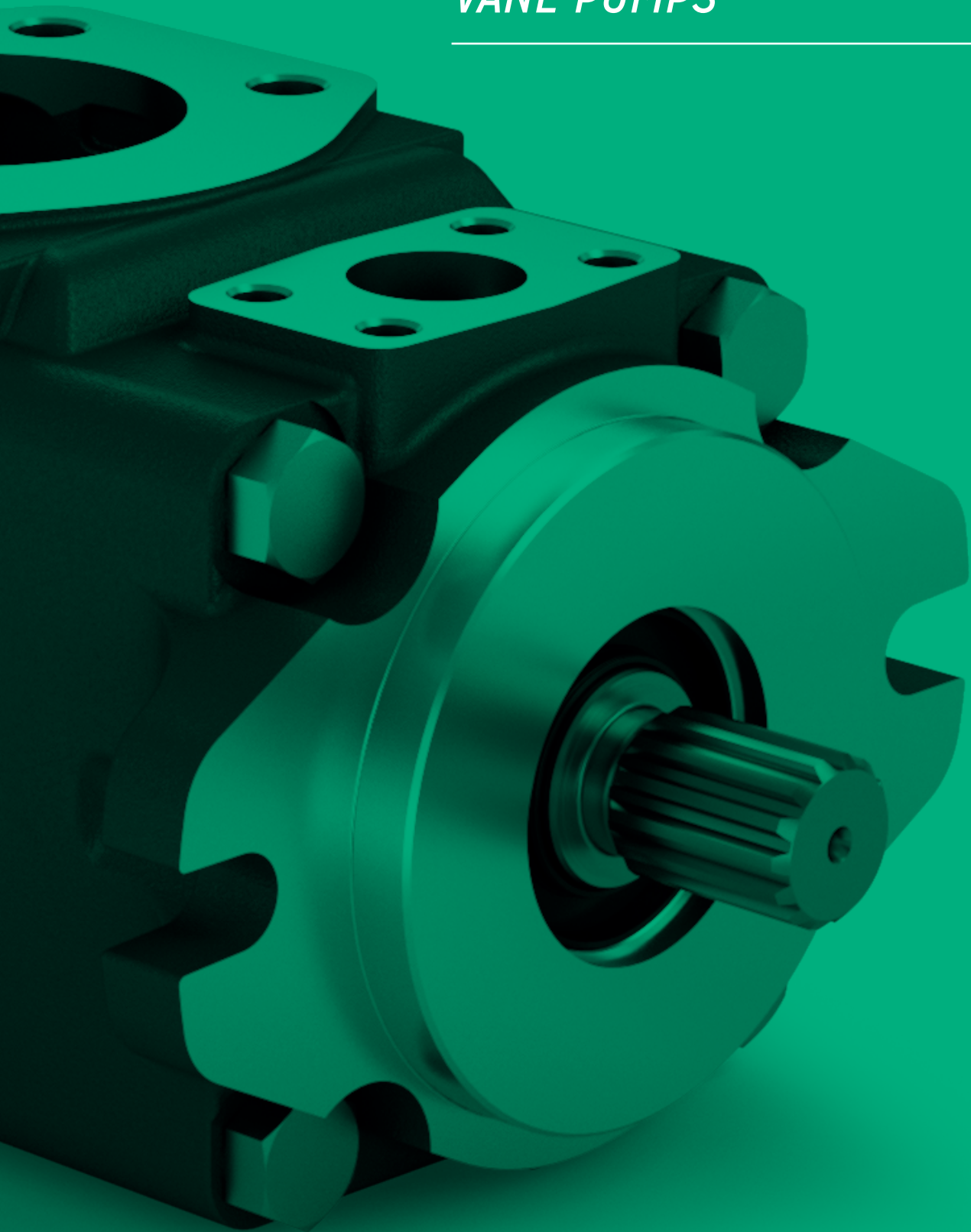


**POMPE A PALETTE**  
*VANE PUMPS*

---

**VDC**



## SAE C

**NEW**

CODICE DI ORDINAZIONE / ORDERING CODE

**28 D C XX XX X X X X X 0**

NEUTRO

TIPO DI ATTACCO PORTE = **vedi tabella 4** (pag. 8)  
PORT FITTINGS = **see table 4** (page 8)

ORIENTAMENTO DELLE BOCCHE = **vedi tabella 3** (pag. 6-7)  
PORT ORIENTATIONS = **see table 3** (page 6-7)

FLANGIA DI COLLEGAMENTO / CONNECTION FLANGE

**M** = SAE C (2 FORI / 2 BOLTS)  
**N** = SAE C (4 FORI / 4 BOLTS)

TIPO DI ALBERO = **vedi tabella 2** (pag. 4-5)  
SHAFT TYPE = **see table 2** (page 4-5)

ROTAZIONE / ROTATION  
vista dall'albero / view on shaft end  
**R** = ORARIO / CLOCKWISE  
**L** = ANTIORARIO / ANTICLOCKWISE

DIMENSIONE CARTUCCIA **P2** (lato coperchio) = **vedi tabella 1** (pag. 3)  
**P2 CARTRIDGE SIZE** (cover side) = **see table 1** (page 3)

DIMENSIONE CARTUCCIA **P1** (lato albero) = **vedi tabella 1** (pag. 3)  
**P1 CARTRIDGE SIZE** (shaft side) = **see table 1** (page 3)

TIPO DI CARTUCCIA **P2** / **P2 CARTRIDGES TYPE**  
**C** = FINO A 100 CC/GIRO / UP TO 100 CC/REV

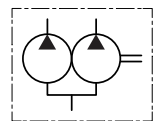
TIPO DI CARTUCCIA **P1** / **P1 CARTRIDGES TYPE**  
**D** = FINO A 158 CC/GIRO / UP TO 158 CC/REV



**VDC M**  
SAE C (2 fori / 2 bolts)



**VDC N**  
SAE C (4 fori / 4 bolts)



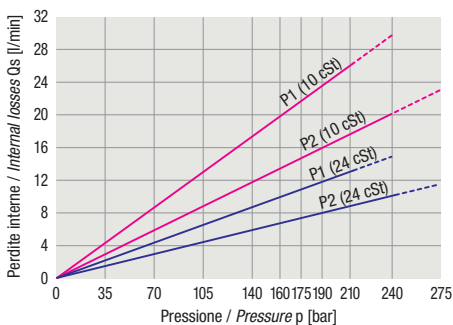
**VDC M**

**VDC N**

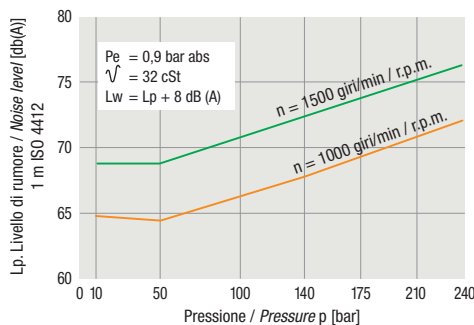
POMPA A PALETTE  
VANE PUMP

### DIAGRAMMI / DIAGRAMS

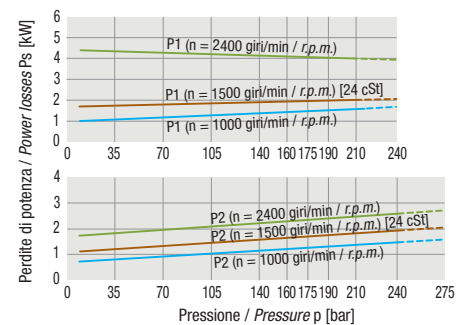
**PERDITE INTERNE (TIPICHE)**  
**INTERNAL LOSSES (TYPICAL)**

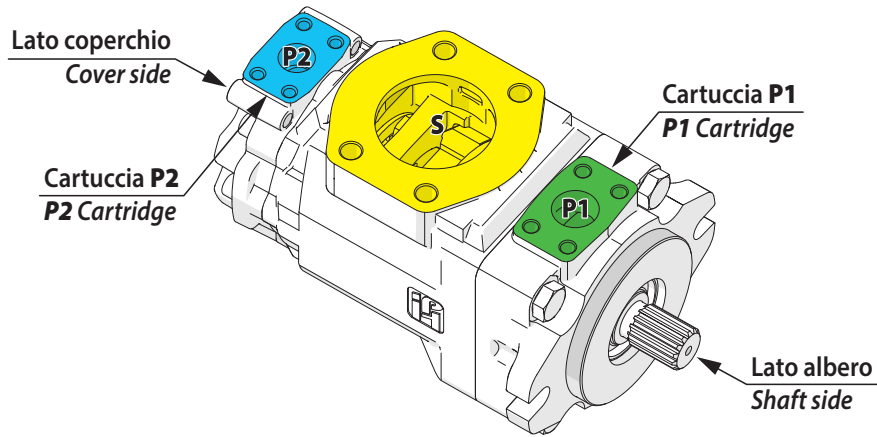


**LIVELLO DI RUMORE (TIPICO)**  
**NOISE LEVEL (TYPICAL)**



**PERDITA DI POTENZA IDROMECCANICA (TIPICA)**  
**LOSS OF HYDROMECHANICAL POWER (TYPICAL)**



**RIFERIMENTI CARTUCCE / REFERENCES CARTRIDGES**


CODICE DIMENSIONE CARTUCCIA <b>P1*</b> (lato albero) CODE SIZE CARTRIDGE <b>P1*</b> (shaft side)	CILINDRATA DISPLACEMENT		PORTATA FLOW RATE Q (l/min) e n = 1500 giri/min / r.p.m.			PRESSIONE MASSIMA INTERMITTENTE MAX INTERMITTENT PRESSURE		PRESSIONE MASSIMA CONTINUA MAX CONTINUOUS PRESSURE		VELOCITÀ MINIMA MIN SPEED r.p.m.	VELOCITÀ MASSIMA MAX SPEED r.p.m.
	cm <sup>3</sup> /rev.	in <sup>3</sup> /rev.	p = 0 bar (0 psi)	p = 140 bar (2030 psi)	p = 240 bar (3480 psi)	bar	psi	bar	psi		
14	47.6	2.90	71,4	62,1	55,9	240	3500	210	3000	400	2500
17	58.2	3.55	87,3	78	71,8						
20	66.0	4.03	99	89,7	83,5						
24	79.5	4.85	119,3	110	103,8						
28	89.7	5.47	134,5	125,2	119						
31	98.3	6.00	147,4	138,1	131,9						
35	111.0	6.77	166,5	157,2	151						
38	120.3	7.34	180,4	171,1	164,9						
42	136.0	8.30	204	194,7	188,5	210	3000	160	2300	400	2200
45	145.7	8.89	218,5	209,2	203						
50	158.0	9.64	237	227,7	224 (max 210 bar int.)						



**\* ATTENZIONE:** la cartuccia P1 deve SEMPRE essere uguale o maggiore della cartuccia P2.  
**\* ATTENTION:** the P1 cartridge must ALWAYS be equal to or greater than the P2 cartridge.

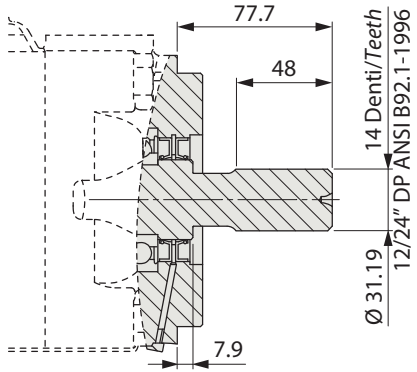
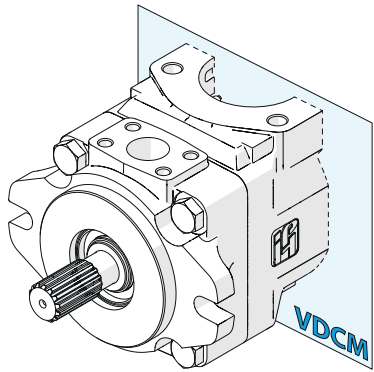
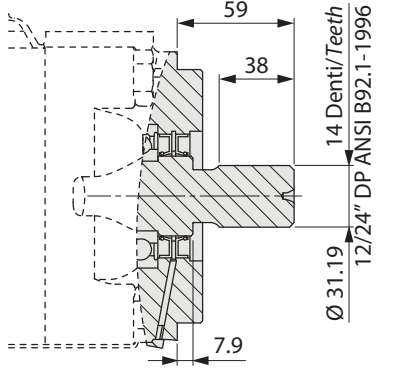
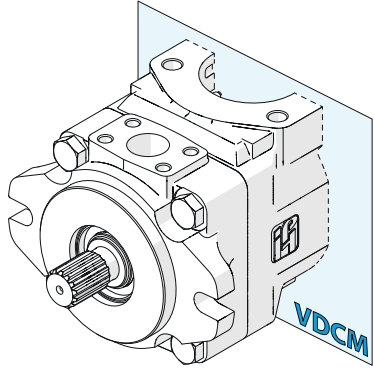
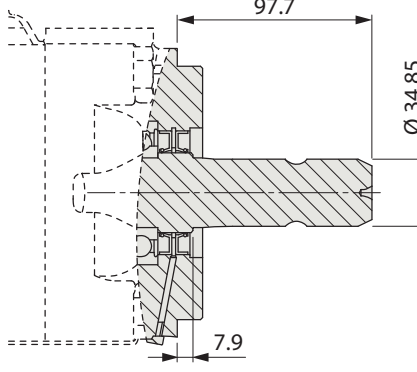
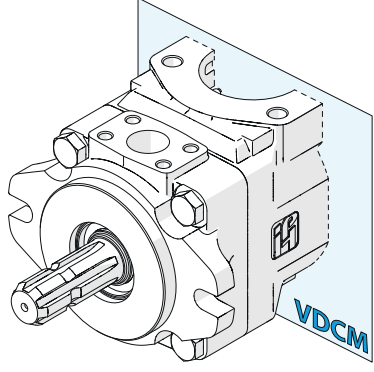
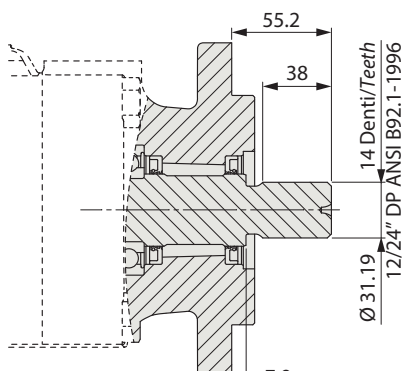
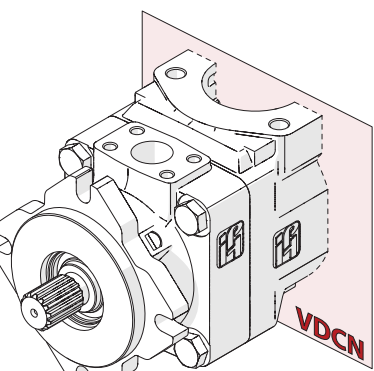
CODICE DIMENSIONE CARTUCCIA <b>P2</b> (lato coperchio) CODE SIZE CARTRIDGE <b>P2</b> (cover side)	CILINDRATA DISPLACEMENT		PORTATA FLOW RATE Q (l/min) e n = 1500 giri/min / r.p.m.			PRESSIONE MASSIMA INTERMITTENTE MAX INTERMITTENT PRESSURE		PRESSIONE MASSIMA CONTINUA MAX CONTINUOUS PRESSURE		VELOCITÀ MINIMA MIN SPEED r.p.m.	VELOCITÀ MASSIMA MAX SPEED r.p.m.
	cm <sup>3</sup> /rev.	in <sup>3</sup> /rev.	p = 0 bar (0 psi)	p = 140 bar (2030 psi)	p = 240 bar (3480 psi)	bar	psi	bar	psi		
03	10.8	0.66	16,2	10,7	-	275	4000	240	3500	400	2800
05	17.2	1.05	25,8	20,3	15,8						
06	21.3	1.30	31,9	26,5	22						
08	26.4	1.61	39,6	34,1	29,6						
10	34.1	2.08	51,1	45,7	41,2						
12	37.1	2.26	55,6	50,2	45,7						
14	46.0	2.81	69	63,5	59						
17	58.3	3.56	87,4	82	77,5						
20	63.8	3.89	95,7	90,2	85,7						
22	70.3	4.29	105,4	100	95,5						
25	79.3	4.84	118,9	113,5	109						
28	88.8	5.42	133,2	127,7	124,5 (max 210 bar int.)	210	3000	160	2300	400	2500
31	100.0	6.10	150	144,5	141,3 (max 210 bar int.)						

### SAE C

**TABELLA 2: TIPO DI ALBERO / TABLE 2: SHAFT TYPE**

STANDARD REGULARLY ON SHELF	<b>3</b>	<p><b>Versione STANDARD / STANDARD version</b></p> <p>Albero scanalato SAE C <i>SAE C splined shaft</i></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): <i>Shaft torque limits (cm<sup>3</sup>/rev. x bar):</i> <b>61200</b></p>	
	<b>5</b>	<p>Albero chiavetta SPECIAL <i>SPECIAL key shaft</i></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): <i>Shaft torque limits (cm<sup>3</sup>/rev. x bar):</i> <b>55600</b></p>	
A RICHIESTA ON DEMAND	<b>1</b>	<p>Albero chiavetta SAE C <i>SAE C key shaft</i></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): <i>Shaft torque limits (cm<sup>3</sup>/rev. x bar):</i> <b>43240</b></p>	
	<b>2</b>	<p>Albero chiavetta SAE C SHORT <i>SAE C SHORT key shaft</i></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): <i>Shaft torque limits (cm<sup>3</sup>/rev. x bar):</i> <b>34590</b></p>	

TABELLA 2: TIPO DI ALBERO / TABLE 2: SHAFT TYPE

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">A RICHIESTA ON DEMAND</p>	<p style="text-align: center;"><b>4</b></p> 	<p style="text-align: center;"><b>Albero scanalato SAE C LONG SAE C LONG splined shaft</b></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): Shaft torque limits (cm<sup>3</sup>/rev. x bar): <b>61200</b></p>	
	<p style="text-align: center;"><b>P</b></p> 	<p style="text-align: center;"><b>Albero scanalato SAE C SPECIAL SAE C SPECIAL splined shaft</b></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): Shaft torque limits (cm<sup>3</sup>/rev. x bar): <b>61200</b></p>	
	<p style="text-align: center;"><b>T</b></p> 	<p style="text-align: center;"><b>Albero scanalato SAE J718C SAE J718C splined shaft</b></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): Shaft torque limits (cm<sup>3</sup>/rev. x bar): <b>61200</b></p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">STANDARD REGULARLY ON SHELF</p>	<p style="text-align: center;"><b>3</b></p> <p style="text-align: center;"><b>Versione STANDARD / STANDARD version</b></p> 	<p style="text-align: center;"><b>Albero scanalato SAE C SAE C splined shaft</b></p> <p>Limiti di coppia dell'albero (cm<sup>3</sup>/rev. x bar): Shaft torque limits (cm<sup>3</sup>/rev. x bar): <b>61200</b></p>	

### SAE C

TABELLA 3: ORIENTAMENTO DELLE BOCCHIE / TABLE 3: PORT ORIENTATIONS

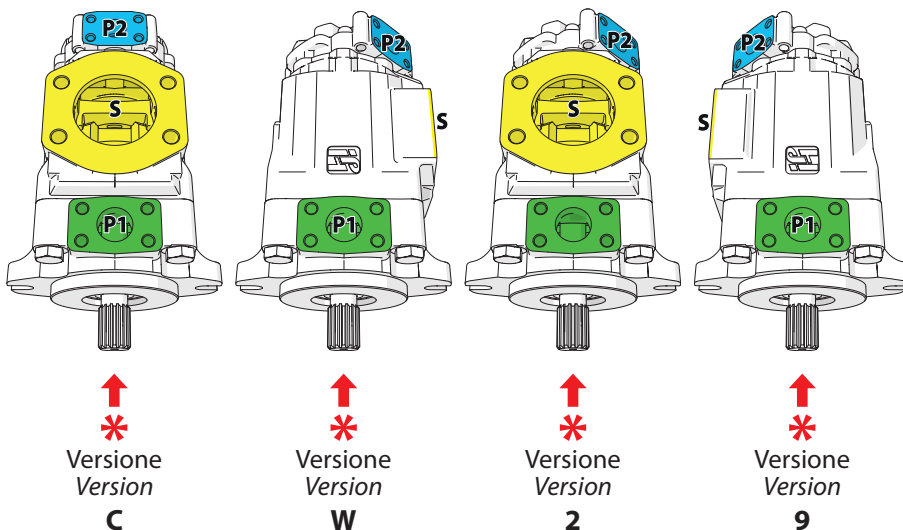
A	B	C	D
<p>Versione STANDARD / STANDARD version</p> <p>P1 P2</p> <p>S</p>	<p>P1 P2</p> <p>S</p>	<p>P1 S P2</p>	<p>P1 P2</p> <p>S</p>
E	F	G	H
<p>P1</p> <p>S P2</p>	<p>P1</p> <p>S P2</p>	<p>P1</p> <p>S P2</p>	<p>P1 S</p> <p>P2</p>
J	K	L	M
<p>P1 S</p> <p>P2</p>	<p>P1 S</p> <p>P2</p>	<p>P1</p> <p>P2 S</p>	<p>P1</p> <p>P2 S</p>
N	P	Q	R
<p>P1</p> <p>S P2</p>	<p>P1</p> <p>S P2</p>	<p>P1</p> <p>S P2</p>	<p>P1</p> <p>P2 S</p>
S	T	U	V
<p>P1 P2</p> <p>S</p>	<p>P1</p> <p>S P2</p>	<p>P1</p> <p>P2 S</p>	<p>P2 P1</p> <p>S</p>

TABELLA 3: ORIENTAMENTO DELLE BOCCHE / TABLE 3: PORT ORIENTATIONS

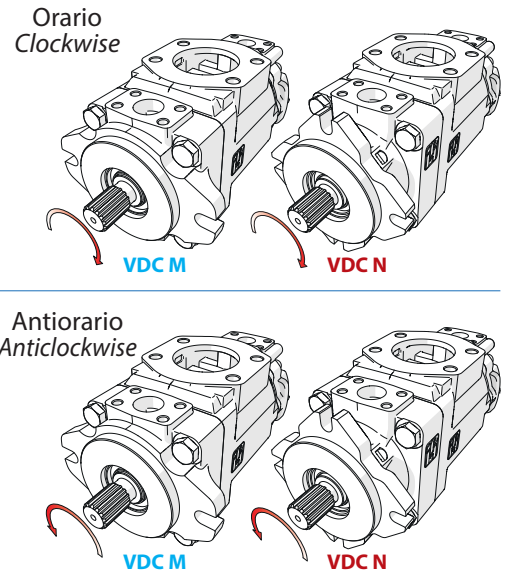
W	X	Y	Z
2	3	4	5
6	7	8	9

\* VISTA DI FRONTE (dalla parte dell'albero) / FRONT VIEW (from the shaft side)

ESEMPI DI ORIENTAMENTO BOCCHE / EXAMPLES OF PORTING ORIENTATION



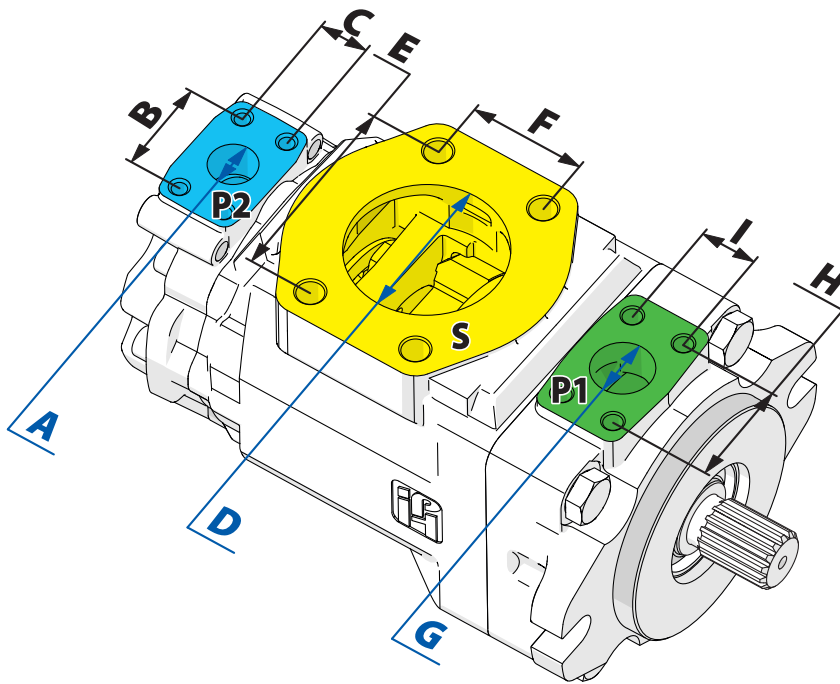
ROTAZIONE POMPA / PUMP ROTATION



### SAE C

**TABELLA 4: TIPO DI ATTACCO PORTE / TABLE 4: PORT FITTINGS**

	CODICE CODE	ATTACCO MANDATA P2 DELIVERY CONNECTION P2 <b>A</b>	ATTACCO ASPIRAZIONE S SUCTION CONNECTION S <b>D</b>	ATTACCO MANDATA P1 DELIVERY CONNECTION P1 <b>G</b>	FILETTATURA THREADS
<b>STANDARD REGULARLY ON SHELF</b>	<b>B</b>	* 3/4" (Ø 19 mm / 0.74 in)	3" (Ø 73 mm / 2.87 in)	1" 1/4 (Ø 32 mm / 1.26 in)	UNC
	<b>A</b>	1" (Ø 25.4 mm / 1 in)	3" (Ø 73 mm / 2.87 in)	1" 1/4 (Ø 32 mm / 1.26 in)	UNC
		* 3/4" fino a / up to 46 cm <sup>3</sup> /rev. - 2.80 cu.in./rev.			
<b>A RICHIESTA ON DEMAND</b>	<b>2</b>	* 3/4" (Ø 19 mm / 0.74 in)	3" (Ø 73 mm / 2.87 in)	1" 1/4 (Ø 32 mm / 1.26 in)	METRIC
	<b>1</b>	1" (Ø 25.4 mm / 1 in)	3" (Ø 73 mm / 2.87 in)	1" 1/4 (Ø 32 mm / 1.26 in)	METRIC
		* 3/4" fino a / up to 46 cm <sup>3</sup> /rev. - 2.80 cu.in./rev.			

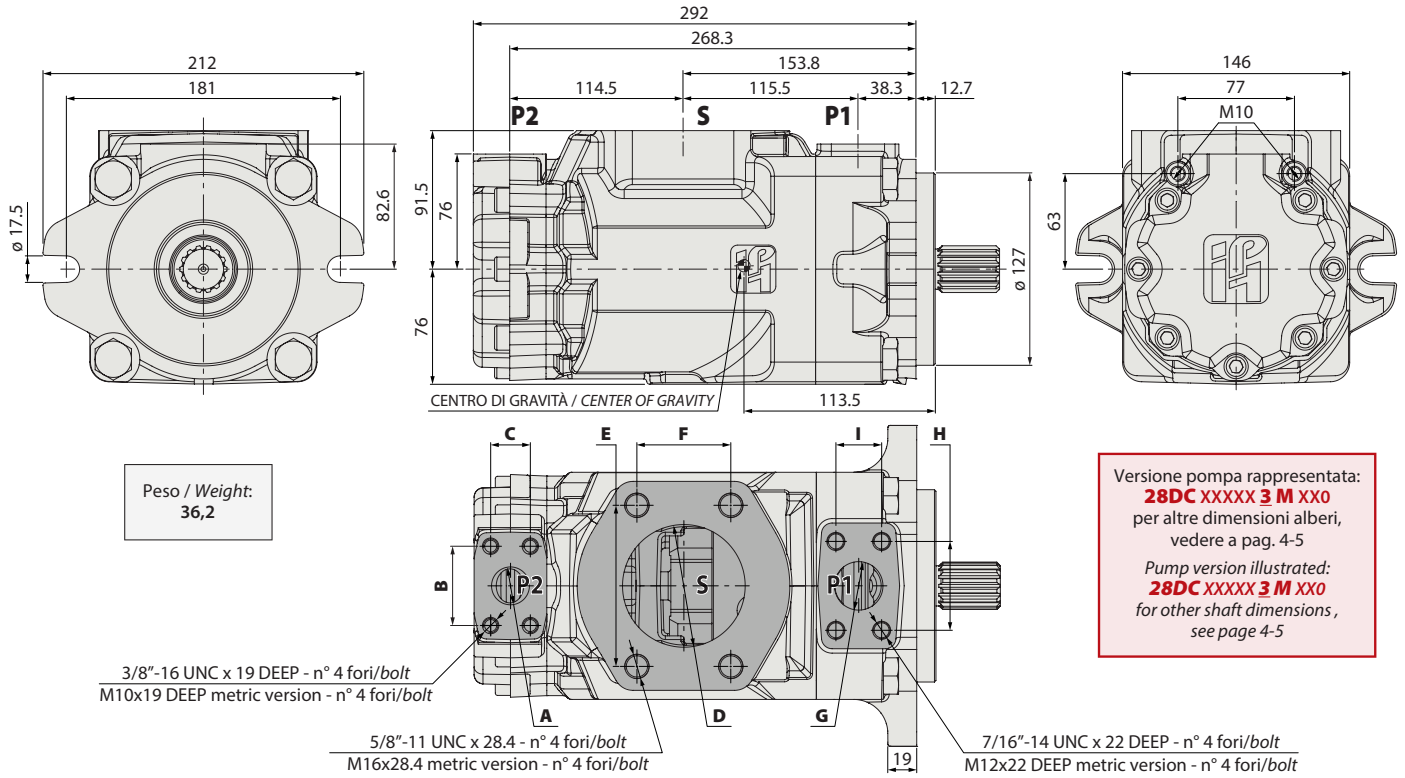


**DIMENSIONI PORTE / PORT DIMENSIONS**

DIMENSIONE ATTACCO PORTA PORT FITTING DIMENSIONS	<b>B</b>		<b>C</b>		<b>E</b>		<b>F</b>		<b>H</b>		<b>I</b>	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
* 3/4"	47.7	1.87	22.4	0.88	106.4	4.18	62	2.44	58.7	2.31	30.2	1.18
1"	52.4	2.06	26.2	1.03	106.4	4.18	62	2.44	58.7	2.31	30.2	1.18
* 3/4" fino a / up to 46 cm <sup>3</sup> /rev. - 2.80 cu.in./rev.												

DIMENSIONI / DIMENSIONS

VDC M



DIMENSIONI / DIMENSIONS

VDC N

