



REV	COMMENTS	DRAWN BY	CHECKED BY	APPROVED BY	APPROVED DATE
1		PCM	KS	HG	28.06.2021

GENERAL INTERFACE INFO FOR FITTINGS AND TUBES (DIN)			
FITTING SIZE	THREAD	TUBES (mm)	DESIGN PRESSURE (bar)
42L	M52x2	Ø42x3	140
38S	M52x2	Ø38x4	309
35L	M45x2	Ø35x3	168
30S	M42x2	Ø30x3	294
22L	M30x2	Ø22x2	200
20S	M30x2	Ø20x2,5	368
16S	M24x1,5	Ø16x2	368
12L	M18x1,5	Ø12x1,5	368

LEGENDS:

= NORMALLY CLOSED
 = NORMALLY OPEN
 Hydraulic tubes by CUSTOMER.

PIPES:

STAINLESS STEEL ACCORDING TO ASTM A269/A213-AISI316L OR EQUIVALENT.

BACK PRESSURE MUST NOT EXCEED 4 BAR DURING IDLE AND 10 BAR DURING OPERATION.

THE INSTALLATION IS TO BE CARRIED OUT ACCORDING TO CLASSIFICATION AUTHORITIES.

GIVEN DIMENSIONS OF PIPES ARE RECOMMENDED BASED UPON PIPE-LENGTHS OF 10M BETWEEN HPU AND PCV, AND 10M BETWEEN PCV AND DAVIT. CONTACT VESTDAVIT IF THE PIPE LENGTH IS LONGER (>20m), LARGE HEIGHT DIFFERENCES OR LARGE AMOUNT OF FITTINGS. SHARP 90° FITTINGS ARE NOT RECOMMENDED. PERFORMANCE OF THE SYSTEM DEPENDS ON THIS.

HYDR. POWER UNIT DATA:

POWER SUPPLY - 70 kW, 400V, 50Hz
 MAX OIL FLOW Qm = 127 l/min @ 294 bar
 MAX WORKING PRESSURE pm = 304 bar

- NOTES**
- TUBING AND INTERFACE CONNECTIONS BETWEEN POWER UNIT - CONTROL STATION - DAVIT ARE NOT INCLUDED IN DELIVERY.
 - SEE HOSE CERTIFICATE FOR HOSE SPECIFICATIONS. HOSE TAGS ARE MARKED DRAWING NUMBER AND HOSE NUMBER.
 - CLEANLINESS REQUIREMENTS FOR HYDRAULIC TUBING: ISO 4406 18/16/13 (EQUIVALENT NAS CLASS 7) OR BETTER.
 - USE NITROGEN QUALITY 99.8% PURITY N2 (CLASS 2.8) OR BETTER FOR ALL ACCUMULATORS.

ITEM	DESCRIPTION	STOCK NO.	QTY	DRW-NO.	REMARKS
6	THROTTLE CHECK VALVE	10029	4	-	400 SS
5	HYDRAULIC CYL. GUIDING	TBD	2	-	CD25
4	ADAPTER ACCU. NECK	16531	2	-	2" -> 1/2" BSP
3	BLADDER ACCUMULATOR	15585	2	-	50L
2	CONTROL STATION	TBD	1	VD116716	5 sections
1	HPU	19983	1	TDB	400v, 50 Hz

	Drawing Title		Designed by	Designed date	
	PLD-6000 Hydraulic Diagram, Deck MWL 6000 kgs 36 m/min		PCM	21.06.2021	
			Checked by	Checked date	
		KS	28.06.2021		
		Approved by	Approved date		
		HG	28.06.2021		
post@vestdavit.no www.vestdavit.no		Drawing Number	Rev.	Size	Project number
		VD116714	1	A3	92116