



**TABLE 2**

HELM PUMP MODEL	PART NUMBER	HELM PUMP DISPLACEMENT	WEIGHT
		in <sup>3</sup> /REV	lbs (kgs)
B3	300-0010	6.53	34lbs (15.4kgs)
B4	300-0011	9.89	34lbs (15.4kgs)

**TABLE 1**

BULKHEAD THICKNESS	DIMENSION "A"	DIMENSION "B"
1/8"	3.2	4.28" (108)
1/4"	6.4	4.35" (110)
3/8"	9.5	4.43" (113)
1/2"	12.7	4.50" (114)
5/8"	15.9	4.57" (116)
3/4"	19.0	4.65" (118)
1"	25.4	4.79" (122)

**NOTES**

- REFER TO THE B-HELM PUMP MANUAL FOR INSTALLATION AND FILLING INSTRUCTIONS. RECOMMENDED HYDRAULIC TUBING SIZES, RECOMMENDED HYDRAULIC OILS, AND OPERATING AND SERVICE INSTRUCTIONS.
- FOR MULTIPLE HELM PUMP SYSTEMS, FILL ALL HELM PUMPS STARTING AT THE LOWEST STATION AND PROGRESSING TO THE HIGHEST STATION. PLUG EACH HELM PUMP HOUSING TIGHTLY AFTER IT IS FULL OF OIL. A VENT LINE CONNECTING THE HELM PUMPS WILL BE REQUIRED. THE HIGHEST STATION WILL HAVE TO BE VENTED TO ATMOSPHERE IF THERE IS NO HEADER TANK USED. IF A HEADER TANK IS USED TO REPLENISH THE HELM PUMP HYDRAULIC CIRCUIT, THEN VENTING SHALL BE DONE THROUGH THIS HEADER TANK.
- CHECK THE OIL LEVEL AT REGULAR INTERVALS AND FILL IF NECESSARY. DO NOT USE BRAKE FLUID IN THE HYDRAULIC CIRCUIT.

**WAGNER HELM PUMP MODELS B3 AND B4  
OVERALL DIMENSIONS**



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DRAWN BY: R.B.O.  
SCALE: 1/2" = 1"  
DATE: AUG. 1998  
REV. NO.:  
CHECKED BY: M.L.O.  
DRAWING NO.:  
**C-3-319**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
REFER TO DRAWING C-3-316 FOR B3/B4  
HELM PUMP ASSEMBLY