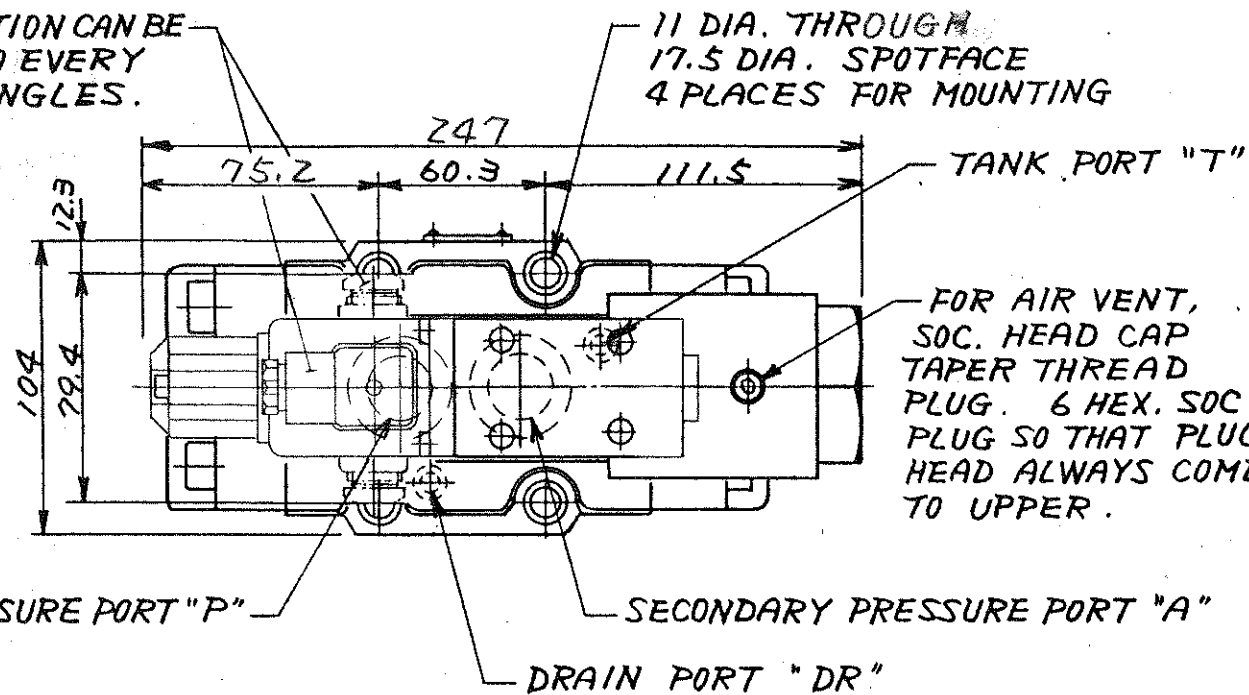


THE DIRECTION CAN BE
ALTERED TO EVERY
90 DEGREE ANGLES.

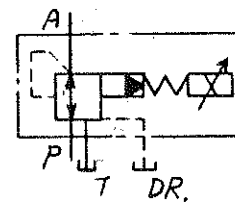


AIR VENT
3 HEX. SOC.
3 PLACES

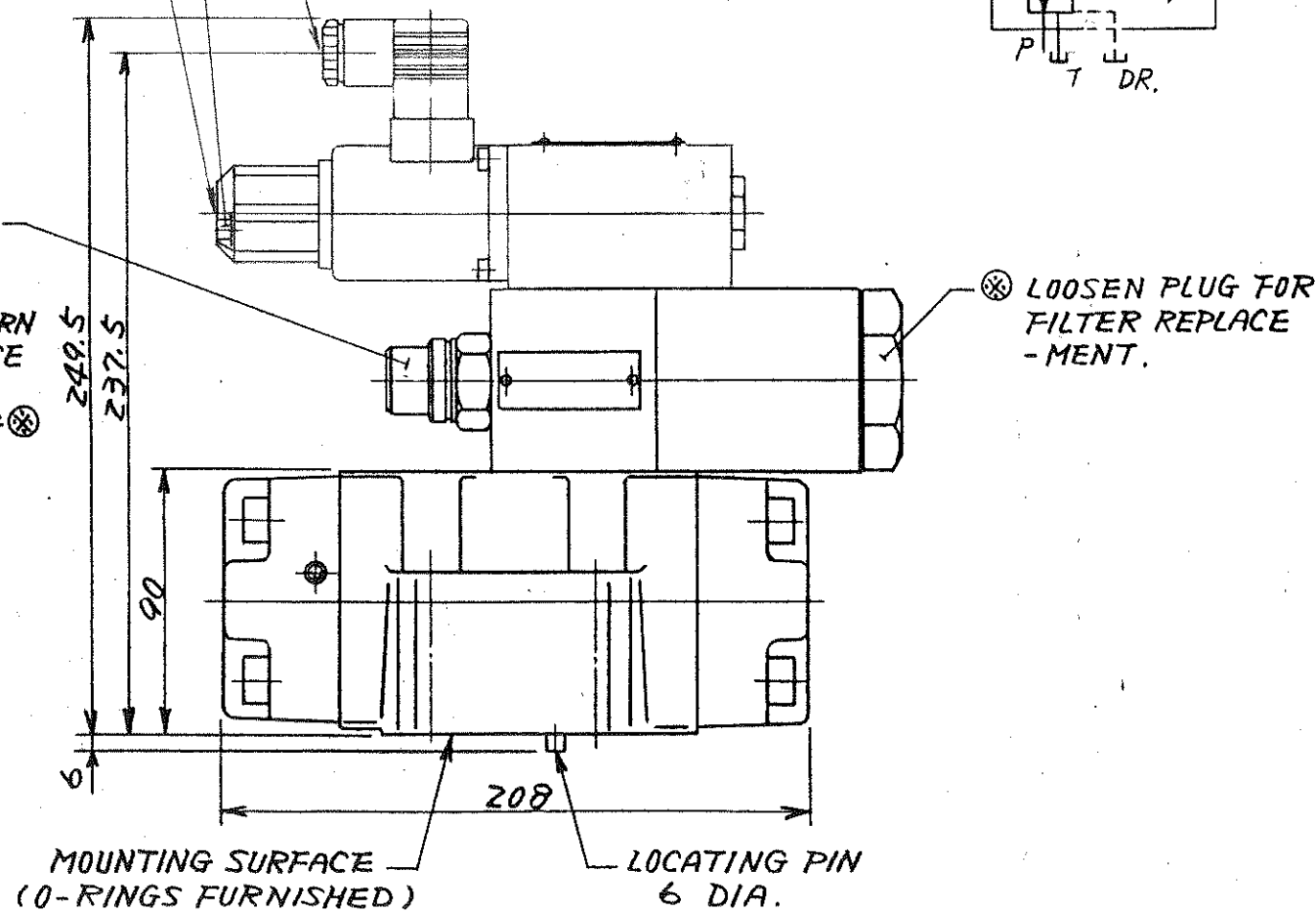
MANUARY PRESSURE
ADJUSTMENT SCREW
3 HEX. SOC.

CABLE DEPARTURE
CABLE APPLICABLE:
OUTSIDE DIA. ---
--- 8 - 10 mm

GRAPHIC SYMBOL

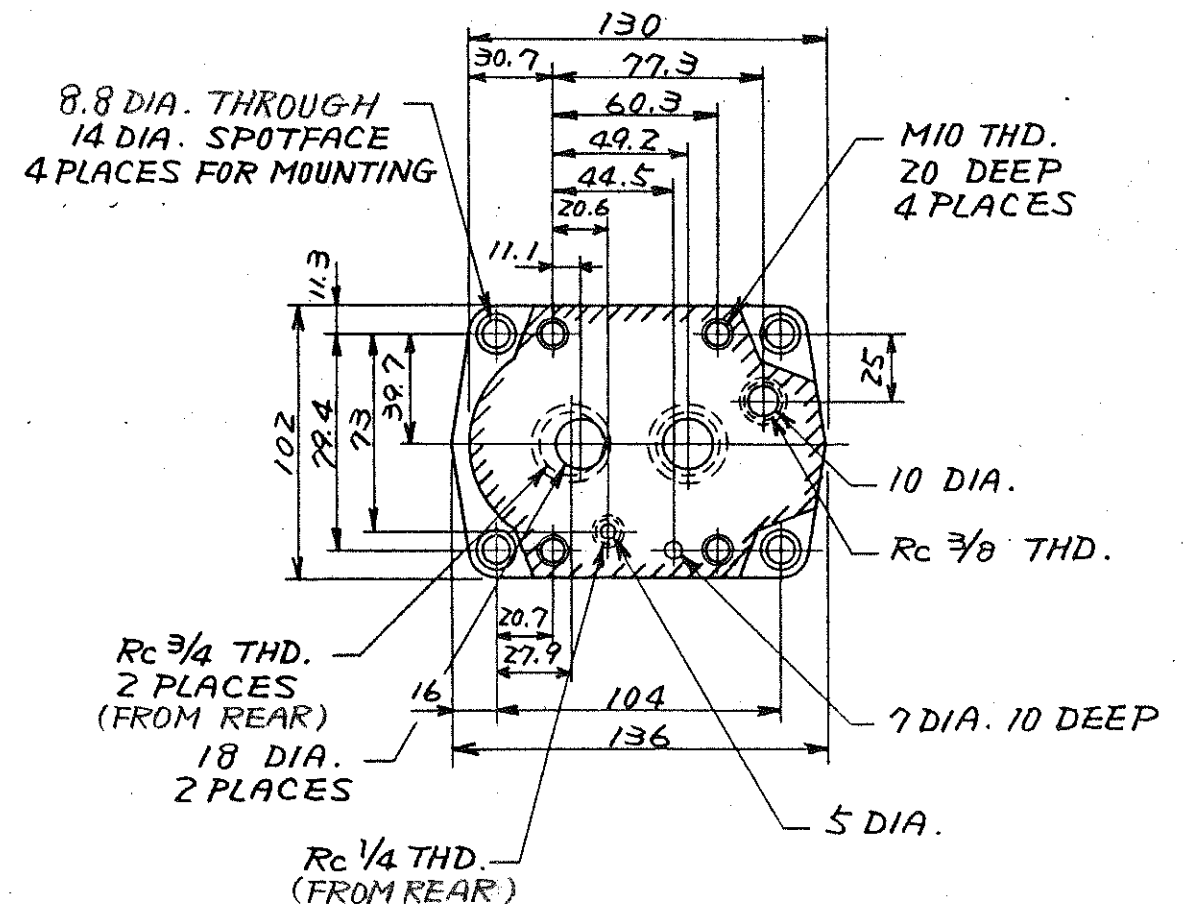


INDICATOR
WHEN FILTER IS
CLUGGED.
GREEN LIGHT TURN
TO RED. REPLACE
FILTER BY
LOOSENING PLUG



APPROX. MASS --- 16 kg

SUB - PLATE ERBGM-06-20



SUB - PLATES ARE AVAILABLE. SPECIFY
SUB - PLATE MODEL.
WHEN SUB - PLATES ARE NOT USED, THE
MOUNTING SURFACE SHOULD HAVE A GOOD
MACHIN FINISH.



SYM REVISIONS DATE	日付 DATE	製図 DRAWN	YUKEN KOGYO CO., LTD.	
	99-02-09	m. g	形式 MODEL NO.	ERBG-06-※-5111
	承認 APPROVED	検図 CHECKD	名称 NAME	PROPORTIONAL ELECTRO-HYDRAULIC RELIEVING AND REDUCING VALVES
	三角法	THIRD ANGLE PROJECTION	1/4, SUB-PLATE MOUNTING	
SYM	FILE NO.	図番 DWG NO.		
	Z11-595	VA3125641-9-0 1/2		

RATINGS

MAXIMUM PRIMARY PRESSURE ----- 24.5 MPa {250 kgf/cm²}
SECONDARY PRESSURE ADJUSTMENT RANGE
ERBG - 06 - B ----- 0.8~6.9 MPa {8 - 70 kgf/cm²}
ERBG - 06 - C ----- 1.2~13.7 MPa {12 - 140 kgf/cm²}
ERBG - 06 - H ----- 1.5~20.6 MPa {15 - 210 kgf/cm²}
RATED FLOW ----- 100 l/min
MAXIMUM RELIEF FLOW
WHEN PRESSURE DIFFERENCE IS 13.7 MPa {140 kgf/cm²} ----- 35 l/min
HYSTERESIS ----- 3 %
RATED CURRENT
ERBG - 06 - B ----- 800 mA
ERBG - 06 - C ----- 800 mA
ERBG - 06 - H ----- 950 mA
COIL RESISTANCE ----- 10 Ω
SPECIAL FEATURE
FILTER (20 μ) BUILT IN PILOT LINE.

HYDRAULIC FLUIDS

- TYPE OF HYDRAULIC FLUIDS
PETROLEUM BASE OIL
USE R & O (RUST AND OXIDATION INHIBITOR) TYPE OILS OR ANTI-WEAR TYPE OILS. (EQUIVALENT TO ISO VG 32 - 56)
- RECOMMENDED VISCOSITY AND OIL TEMPERATURES
VISCOSITY RANGING BETWEEN 15 AND 400 mm²/s {cSt}
OIL TEMPERATURES BETWEEN -10 AND +60 °C.
USE HYDRAULIC FLUIDS WHICH SATISFY THE RECOMMENDED VISCOSITY AND OIL TEMPERATURES GIVEN ABOVE.
- FILTRATION RECOMMENDED : 20 MICRONS OR LESS

AIR VENT

TO GIVE BETTER PRESSURE STABILITY, FILL THE OIL IN THE CAVITY OF THE SOLENOID BODY. THIS IS DONE BY LOOSENING THE AIR VENT, WHICH WILL BLEED ALL AIR FROM THE INTERIOR OF THE SOLENOID.

MANUAL PRESSURE ADJUSTMENT

THE PRESSURE SETTING CAN BE DONE TEMPORARILY BY ROTATING THE MANUAL SCREW FOR EITHER A TRIAL OPERATION OR IN CASE OF FAILURE OF INPUT CURRENT TO THE VALVE'S SOLENOID. THE MANUAL ADJUSTMENT SCREW HAS TO BE RESET TO THE ORIGINAL POSITION AND LOCKED FIRMLY WITH A LOCK NUT FOR ELECTRICAL OPERATION.

DRAIN PORT

THE BACK PRESSURE AT THE DRAIN PORT SHOULD BE LESS THAN 0.2 MPa {2.0 kgf/cm²}. THE PIPE FROM THE DRAIN PORT SHOULD BE CONNECTED TO THE RESERVOIR DIRECTLY AND THE EDGE OF THE PIPE MUST ALWAYS BE IN THE OIL.

LOAD CAPACITY

THE USE OF THE VALVES AT THE LOAD CAPACITY OF ABOUT 20 LITER IS RECOMMENDED. EVEN AT THE LOWEST, A LOAD CAPACITY OF MORE THAN 1.4 LITER IS REQUIRED.

MOUNTING BOLTS

FOUR SOCKET HEAD CAP SCREWS, M10 x 70 LG ARE INCLUDED.

MODEL NUMBER DESIGNATION

ERBG - 06 - B - 5111

DESIGN NUMBER ★
SECONDARY PRESSURE ADJUSTMENT RANGE
REFER TO RATINGS
VALVE SIZE
PROPORTIONAL ELECTRO-HYDRAULIC RELIEVING AND REDUCING VALVE, SUB-PLATE MOUNTING.

★ DESIGN NUMBERS SUBJECT TO CHANGE. BUT INSTALLATION DIMENSIONS REMAIN AS SHOWN FOR DESIGN NUMBERS 5011 THROUGH 5911.

SYM REVISIONS DATE SIGN	DATE	製図 DRAWN	YUKEN KOGYO CO., LTD.
	承認 APPROVED	検図 CHECKED	
	形式 MODEL NO.	ERBG-06- X -5111	
	名称 NAME	PROPORTIONAL ELECTRO-HYDRAULIC RELIEVING AND REDUCING VALVES	
	三角法 THIRD ANGLE PROJECTION		3/4, SUB-PLATE MOUNTING
	FILE NO.	図番 DWG NO.	
	Z11-595	VA3.25641-9-0	2/2

