

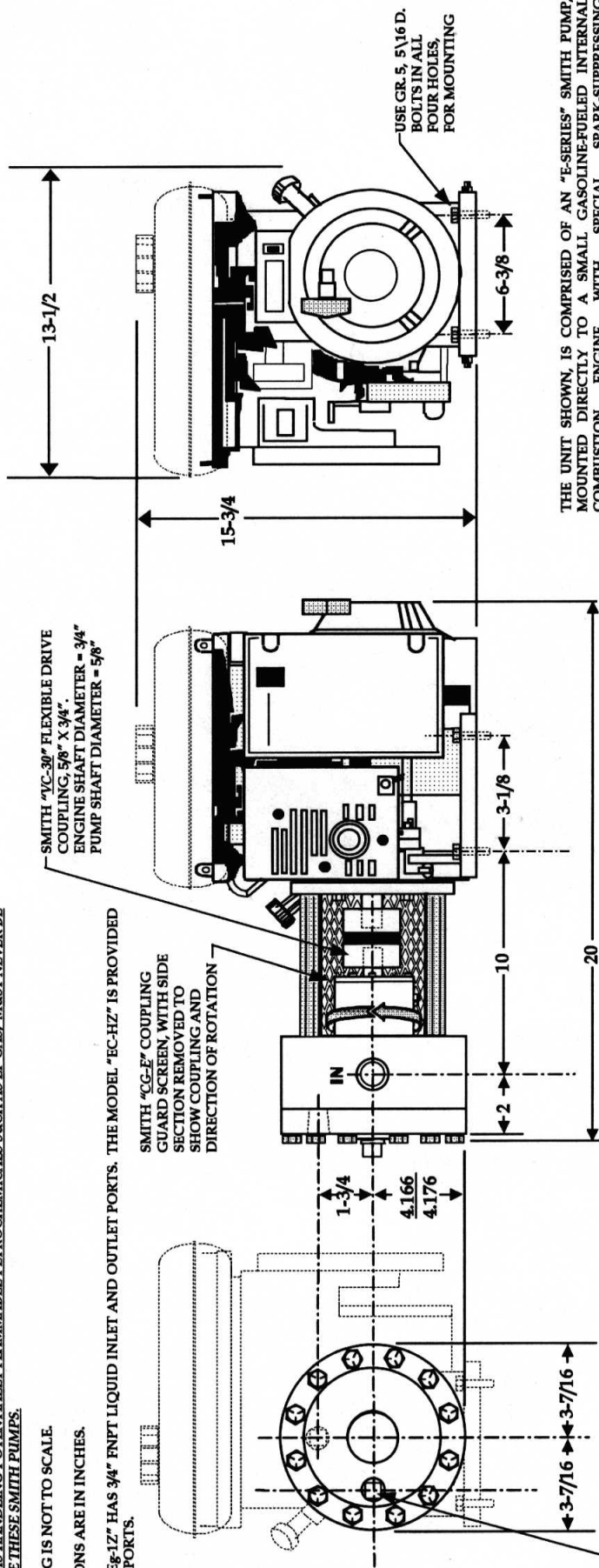
THIS DRAWING IS INTENDED EXCLUSIVELY FOR USE WITH THE SMITH MODEL "EG-1Z" AND "EC-HZ" BUTANE / PROPANE PUMPS, WHEN MOUNTED TO A SPECIALLY MODIFIED LPG-FUELED INTERNAL COMBUSTION ENGINE ("NO. 8"), OR A SPECIALLY MODIFIED GASOLINE-FUELED INTERNAL COMBUSTION ENGINE ("NO. 7"). ALL "E-SERIES" PUMPS UTILIZED EXCLUSIVELY IN INTERMITTENT LIQUEFIED BUTANE / PROPANE TRANSFER SERVICE CAN BE DRIVEN BY THESE PARTICULAR ENGINES, EITHER ONE OF WHICH IS SUPPLIED AS ORIGINAL EQUIPMENT BY SMITH PRECISION PRODUCTS COMPANY, ONLY THROUGH AUTHORIZED DISTRIBUTION CHANNELS. PUMP/ENGINE COMBINATION COMPLIES WITH NFPA-58.

AS A NECESSARY SAFETY PRECAUTION WHEN HANDLING THESE LPG FRACTIONS UNDER ANY CIRCUMSTANCES, ENGINES OTHER THAN THOSE SPECIFICALLY MODIFIED FOR USE IN CLOSE PROXIMITY TO PIPING SYSTEMS HANDLING POTENTIALLY FLAMMABLE PETROCHEMICALS SUCH AS LP GAS, MUST NEVER BE USED TO DRIVE THESE SMITH PUMPS.

THIS DRAWING IS NOT TO SCALE.

ALL DIMENSIONS ARE IN INCHES.

THE MODEL "EG-1Z" HAS 3/4" FNPT LIQUID INLET AND OUTLET PORTS. THE MODEL "EC-HZ" IS PROVIDED WITH 1" FNPT PORTS.



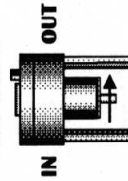
THE UNIT SHOWN IS COMPRISED OF AN "E-SERIES" SMITH PUMP, MOUNTED DIRECTLY TO A SMALL GASOLINE-FUELED INTERNAL COMBUSTION ENGINE WITH SPECIAL SPARK-SUPPRESSING MODIFICATIONS. THIS SPECIAL ENGINE CAN ALSO BE SET-UP TO UTILIZE LPG AS A FUEL, IN WHICH CASE THE GASOLINE TANK IS ELIMINATED (SEE ABOVE DRAWING). THE APPEARANCE OF THE ACTUAL ENGINE IS NOT EXACTLY AS THE REPRESENTATIVE CONFIGURATION SHOWN, ABOVE. SEE TECHNICAL BULLETIN "AL-101".

PUMP DRIVE SPEEDS SLOWER THAN MAXIMUM (3600 RPM) WILL HELP REDUCE NOISE, AND WILL ALSO PROLONG USEFUL SERVICE LIFE. SEE OTHER LITERATURE FOR ADDITIONAL INFORMATION.

## DIMENSION DRAWING

E-SERIES PUMPS MOUNTED DIRECTLY TO "NO. 7" OR "NO. 8" INTERNAL COMBUSTION ENGINE

E-SERIES



NOT REVERSIBLE

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RSS 7-20-01

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IF THE PUMP IS INSTALLED AS ORIGINALLY SHIPPED FROM THE FACTORY, THIS PORT REMAINS UNUSED, THE FACTORY-SUPPLIED STEEL PIPE PLUG REMAINS IN THE COVER AT THE "900 POSITION" AS SHOWN, AND THE INTERNAL BYPASS VALVE DISCHARGES INTERNALLY. IF THE PLUG IS REMOVED, AN APPROVED BYPASS RETURN LINE AT LEAST THE SAME SIZE AS THE PLUG INSTALLED IN ITS PLACE, AND THE END COVER REPOSITIONED ON THE MAIN HOUSING SO THAT THE OUTLET IS DIRECTLY OVER THE INTERNAL BYPASS VALVE (AT THE "1200 POSITION", INDICATED BY DOTTED LINES ABOVE), THE INTERNAL BYPASS VALVE WILL ONLY DISCHARGE EXTERNALLY, THROUGH THE END COVER PORT. THE EXTERNAL BYPASS LINE MUST RUN BACK TO THE TANK BEING VACATED BY THE PUMP. THE SIZE OF THE END COVER OUTLET IS 3/4" NPT ON THE "EC-HZ", AND 1/2" NPT ON THE "EG-1Z". IT IS UTILIZED IN THE SAME MANNER WITH BOTH MODELS. (SEE OTHER LITERATURE FROM SMITH PRECISION FOR IMPORTANT ADDITIONAL INFORMATION).