

VARN Kompac®

PATENT PENDING

Mfg. by GRAPH TECH, INC. Exclusive Distributor VARN PRODUCTS CO., INC.

TECHNICAL and SERVICE BULLETIN

No. 04

Date: FEBRUARY 1983

KOMPAC II AUTOMATIC DAMPENING SYSTEM

Varn Products will soon be announcing the release of the new Kompac II Automatic Dampening System. The Kompac II unit has been completely redesigned and engineered to provide an extremely reliable product. **The engineering effort has been so thorough that none of the parts are interchangeable between the old KOMPAC I and the new KOMPAC II units.** All the results from field tests verify the dedicated re-engineering effort has produced an extremely reliable unit. Kompac I parts will continue to be available from Graph Tech, Inc.

Below is a run through of the improvements and advantages of the new Kompac II unit over the original Kompac I unit.

CASTINGS	KOMPAC I LOST WAX PROCESS	KOMPAC II GRAPHITE MOLDS
Foundation of unit		
Responsible for correct positioning, alignment and calibration of major components.	Rough dimensions No specific reference points	Precise dimensions Specific references Center points Stress points
BEARINGS	NEEDLE	BALL
Responsible for load factors Pressure Speed Torque	Oriented to and mounted in the castings High failure rate Binding Heat Contamination	Oriented to and mounted on roller shafts Smooth running under loaded conditions. Sealed and lubricated
TIE BARS	SMOOTH EDGES	NOTCHED EDGES
Responsible for Kompac dimensions Horizontally Pitch of castings front to back	No specific reference points Horizontally Pitch of castings	Specific reference points Horizontally Pitch
SEAL BACKING PLATES	FLEXIBLE BRASS	RIGID BRASS
Responsible for integrity of moisture seals	Easily deformed Partial support of seals Short seal life	Hard to deform Full support of seals Long seal life

Continued on reverse

METERING ROLLER

ROLLER SURFACE

Interaction with inks and solutions determine operating latitude of Kompac system

COPPER ROLLER

Marginal compatibility with electrostatic solution

Ink stripping

BAKELITE ROLLER

Compatibility with electrostatic solutions

No stripping

BEARERS

Responsible for providing a smooth water-tight fit for seal

STAINLESS STEEL

Easily scored

Leakage

HARDENED CHROME

No scoring

No leakage

MOUNTING BRACKETS

Responsible for providing an easy means of mounting and adjusting Kompac to the duplicator

NON ECCENTRIC

Difficult to mount

No adjustment mechanism

ECCENTRIC

Easy to mount

Precise eccentric adjustments

NOTE: The entire quality control procedure for Vendors materials and for Graph Tech production has been dramatically improved to guarantee the highest quality and consistent performance in the Kompac II units.

In reviewing the above comparisons of the major components between the original Kompac and the new Kompac II unit, the thoroughness of the engineering effort becomes readily apparent. The new Kompac II unit will provide the user with the opportunity to enjoy the full capabilities of the Kompac system and you an easy trouble-free installation. You will receive notification of the availability of the Kompac II unit from your Varn representative in the near future.