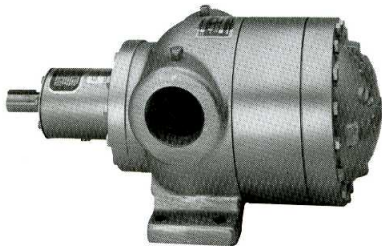
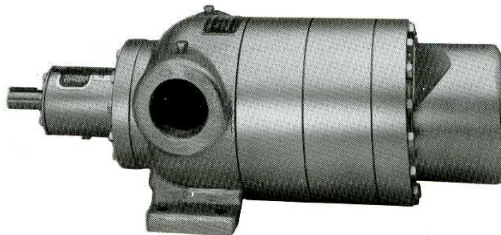


LARGE CAPACITY PUMPS FOR BULK PLANT USE



MC-3, MC-3H
100 GPM



MC-4, MC-4H
150 GPM



MC-5, MC-5H
200 GPM

MC-3, MC-3H

The most popular bulk transfer pump. Utilizes the balanced 3-gear design. Is recommended as a heavy duty bulk plant pump with a capacity up to 100 GPM. Inlet and outlet ports are conveniently located on the sides of the pump to minimize restrictions caused by fittings such as elbows. MC-3H model delivers the same capacity as the MC-3 but at 1500 RPM. Both models available with flanges, either threaded or weld type. Is reversible.

MC-4, MC-4H

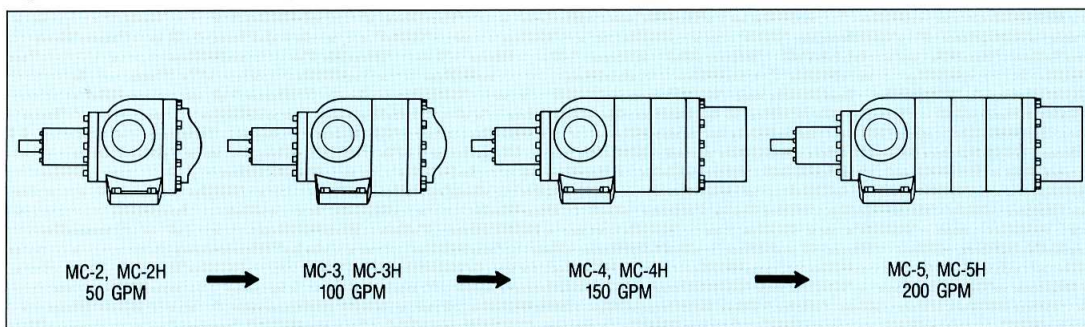
The same basic pump as the MC-3, MC-3H models but with an extra secondary housing to boost capacity (see figure 4). Comes standard with a 4" NPT tapped inlet and 2½" NPT

tapped outlet. Available with flanges, either threaded or weld type. MC-4H model delivers the same capacity as the MC-4 but at 1500 RPM. Not reversible.

MC-5, MC-5H

This is the highest capacity Smith pump in regular production. Utilizes 3 secondary housings to boost capacity to 200 GPM. Optional large capacity gear set is available to increase rated capacity to 250 GPM (see option "L" on page 12). Comes standard with 4" NPT tapped inlet and 2½" NPT tapped outlet. Available with same flange arrangement as MC-4, MC-4H models. MC-5H model delivers the same capacity as the MC-5 but at 1500 RPM. Not reversible.

Figure 4:



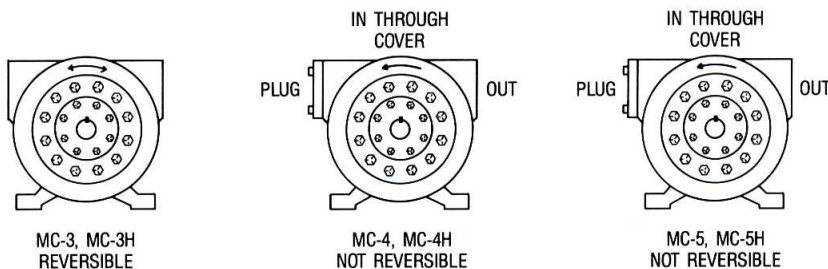
Modular design allows for simple conversion to higher capacity pump

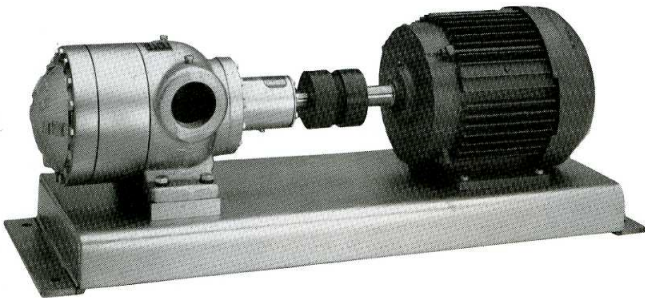
CONVERSION OF MODELS

By adding an appropriate number of secondary gear housings and mechanical shaft seal assembly, the MC-2, MC-3, or MC-4 models can be converted to a higher capacity type. The

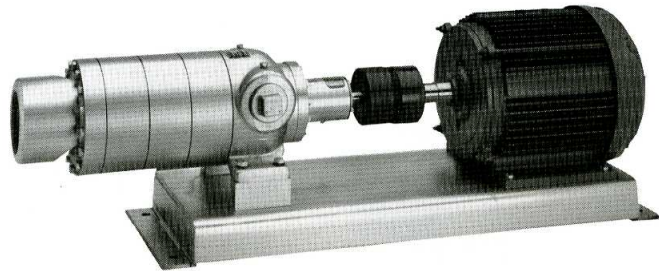
conversion is simple and can easily be accomplished in the field. Thus a smaller capacity pump will not become obsolete as more volume is required (see figure 4).

DIRECTION OF ROTATION





Model MC-3 with motor direct coupled



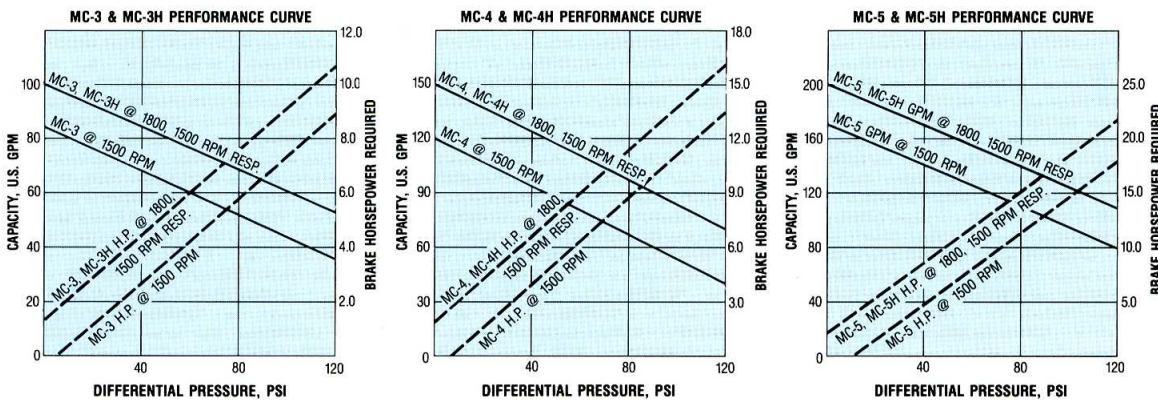
Model MC-5 with motor direct coupled

PUMP SELECTION

PUMPS ONLY	AVERAGE DELIVERY RATE IN GALLONS PER MINUTE ¹		MAXIMUM DIFFERENTIAL PRESSURE ²	INLET / OUTLET SIZE: FEMALE THREADED	MOTOR ³	PUMP ROTATION AS LOOKING AT PUMP SHAFT-END
	40 PSID, 1800 RPM	75 PSID, 1800 RPM				
MC-3	84	70	125	2½"	5 H.P. TO 40 PSID 7½ H.P. OVER 75 PSID	REVERSIBLE
MC-3H	84 @ 1500 RPM	70 @ 1500 RPM	125	2½"	SAME AS ABOVE	REVERSIBLE
MC-4	125	105	125	4" INLET 2½" OUTLET	7½ H.P. TO 40 PSID 10 H.P. OVER 75 PSID	CCW
MC-4H	125 @ 1500 RPM	105 @ 1500 RPM	125	4" INLET 2½" OUTLET	SAME AS ABOVE	CCW
MC-5	167	142	125	4" INLET 2½" OUTLET	10 H.P. TO 40 PSID 15 H.P. OVER 75 PSID	CCW
MC-5H	167 @ 1500 RPM	142 @ 1500 RPM	125	4" INLET 2½" OUTLET	SAME AS ABOVE	CCW

1. Rated capacities as follows: MC-3, MC-3H: 100 GPM; MC-4, MC-4H: 150 GPM; MC-5, MC-5H: 200 GPM.
2. Maximum differential pressure limited to 125 PSID as outlined in U.L.-51 standard.
3. See pump rotation diagrams on preceding page for rotation vs. inlet/outlet piping.

PERFORMANCE CURVES⁴



4. Performance curves based on delivery rates of propane at 75°F. Delivery rates will be reduced by approximately 15% at temperatures approaching 32°F. For exact capacity and horsepower, use empirical formulae provided under engineering data on the last page.

ADDITIONAL DATA

MODEL	WEIGHT, PUMP ONLY	WEIGHT, PUMP WITH BASE COUPLING AND MOTOR†
MC-3, MC-3H	95 LBS.	300-400 LBS.
MC-4, MC-4H	135 LBS.	380-470 LBS.
MC-5, MC-5H	170 LBS.	465-530 LBS.

† Contact our SHIPPING GROUP for exact weights on specific pump/motor combinations.