

## SUCCESSFULLY INSTALLED 250+ SEAL-LESS PROGRESSIVE CAVITY PUMPS IN LEADING PAINT PRODUCING COMPANIES



RLCZ63MR5CE3Z PUMP TRANSFERRING PAINT EMULSION  
Duty Point- 60 m<sup>3</sup>/hr @ 5.32 bar

### ROTO'S COMMITMENT TO DELIVER INNOVATIVE FLUID ENGINEERING PUMPING SOLUTIONS

Roto Pumps has become synonymous with solving critical pumping challenges of various industries. Over a period of 5 decades, we have proven our excellence in various critical and unconventional pumping applications. As a proof of our expertise, we have successfully installed more than 250 seal-less progressive cavity pumps in the paint companies.

### THE PROBLEM

Leakage is one of the major concern of clients in paint industry. The progressive cavity pumps installed with gland Packing or mechanical seal are prone to leakage. Short life cycle of gland packing & mechanical seals caused operators to change it regularly. Due to leakage, there were chances of fugitive emissions causing damage to environment while handling volatile chemicals. To ensure minimum leakage, paint companies have to install extra piping to reuse leaked media and it also required constant monitoring. These issues were adversely affecting the operation of paint companies and leading to higher production cost.

### ROTO SOLUTION

Our technical team understood the challenges faced by paint industry and the leakage problem due to gland packing & mechanical seal. Hence, we decided to design and develop progressive cavity pump with seal-less technology (magnetic coupling).

In seal-less technology, powerful magnets ensure no scope for leakage due to very strong magnetic bond. The seal-less design of PC pump ensures preserving of expensive fluids and eliminate the risk of spill of hazardous chemicals which can affect the environment. Thus, making them a perfect choice for the paint industry.

### DISTINCTIVE FEATURES & BENEFITS:

- Seal-less technology ensuring no spillage of expensive liquids
- Reduced maintenance & monitoring cost
- No extra piping arrangement required
- Ensuring non-hazardous workplace

### APPLICATIONS:

- Transfer of pigment slurry from premix tank to production line
- Transfer of raw emulsion & chemical from storage tank to production line
- Transfer of final paint slurry from production line to packaging line

### Seal-less Progressive Cavity Pump

#### Performance Range

**Capacity:** up to 420 m<sup>3</sup>/hr

**Pressure:** up to 48 bar

