

Introduction

“Pumps and Motors in Small Distribution Systems”

Presenter

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**THE PUMP IS ONE OF THE OLDEST
MECHANICAL DEVICES USED BY MAN**



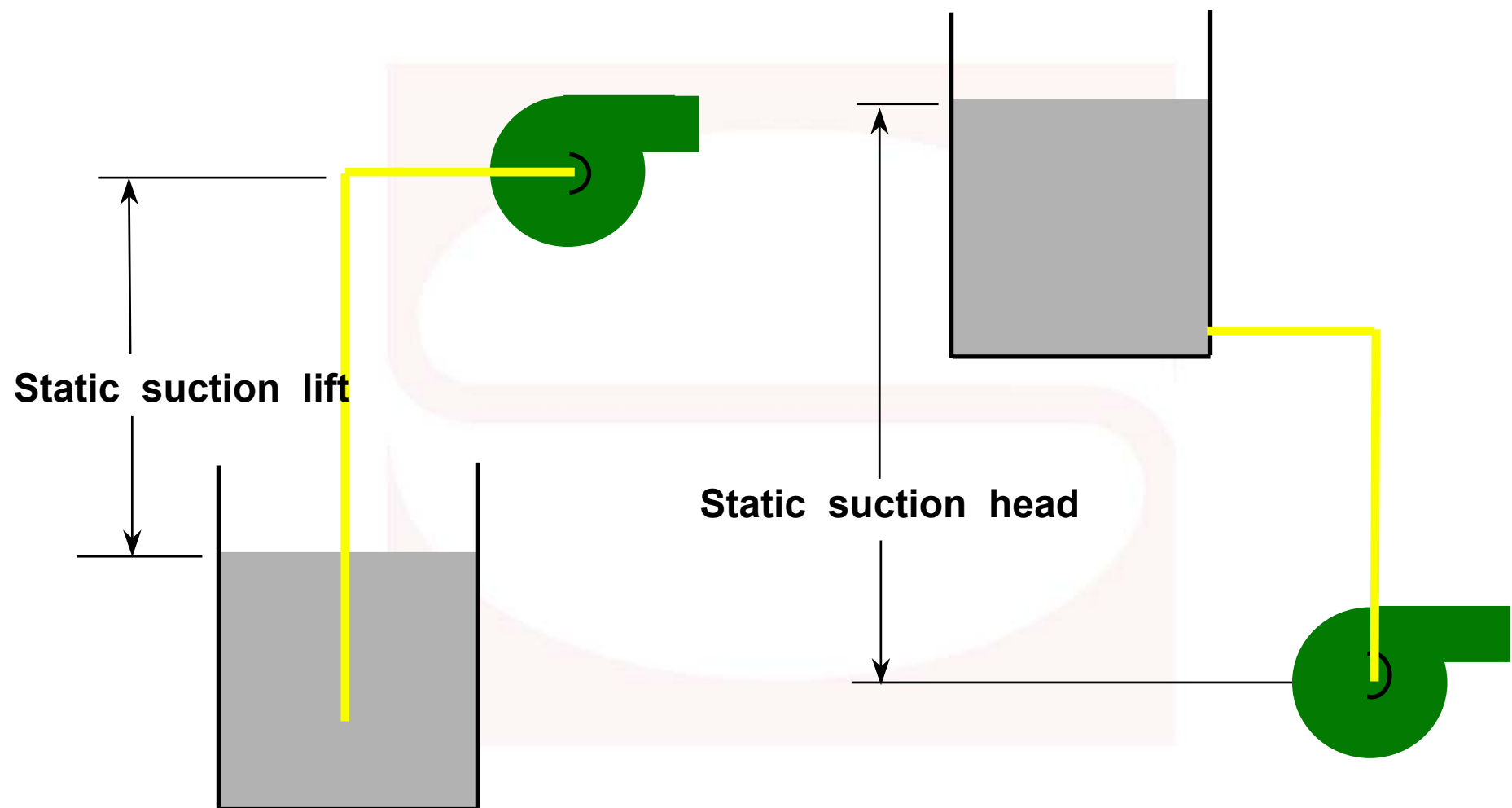
Basic Selection Criteria

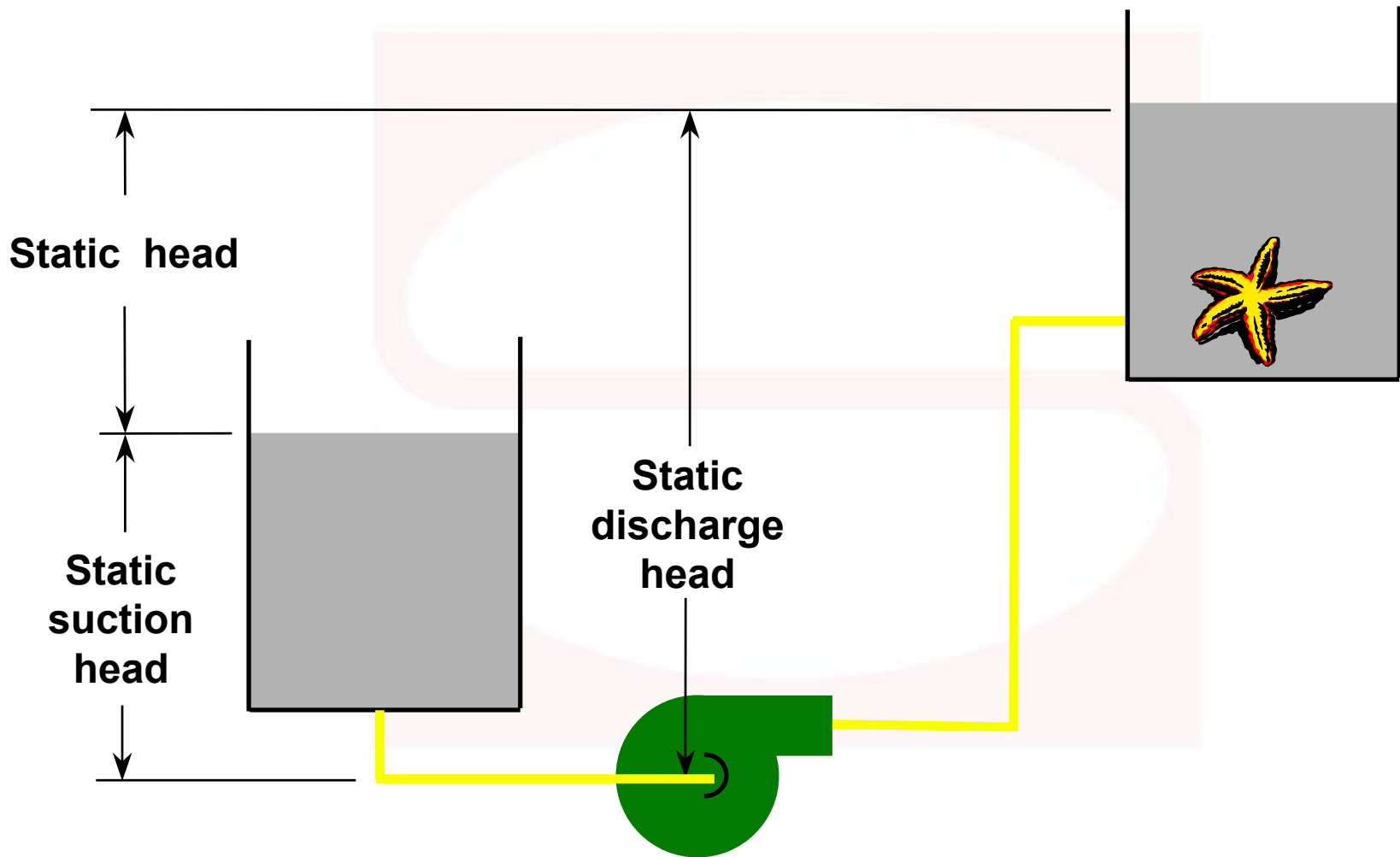
- Suction Conditions
- Static Head
- What is the pumpage (solids, hazardous, abrasives, aerated, corrosive)
- Capacity (or flow)
- Total Dynamic Head (TDH)

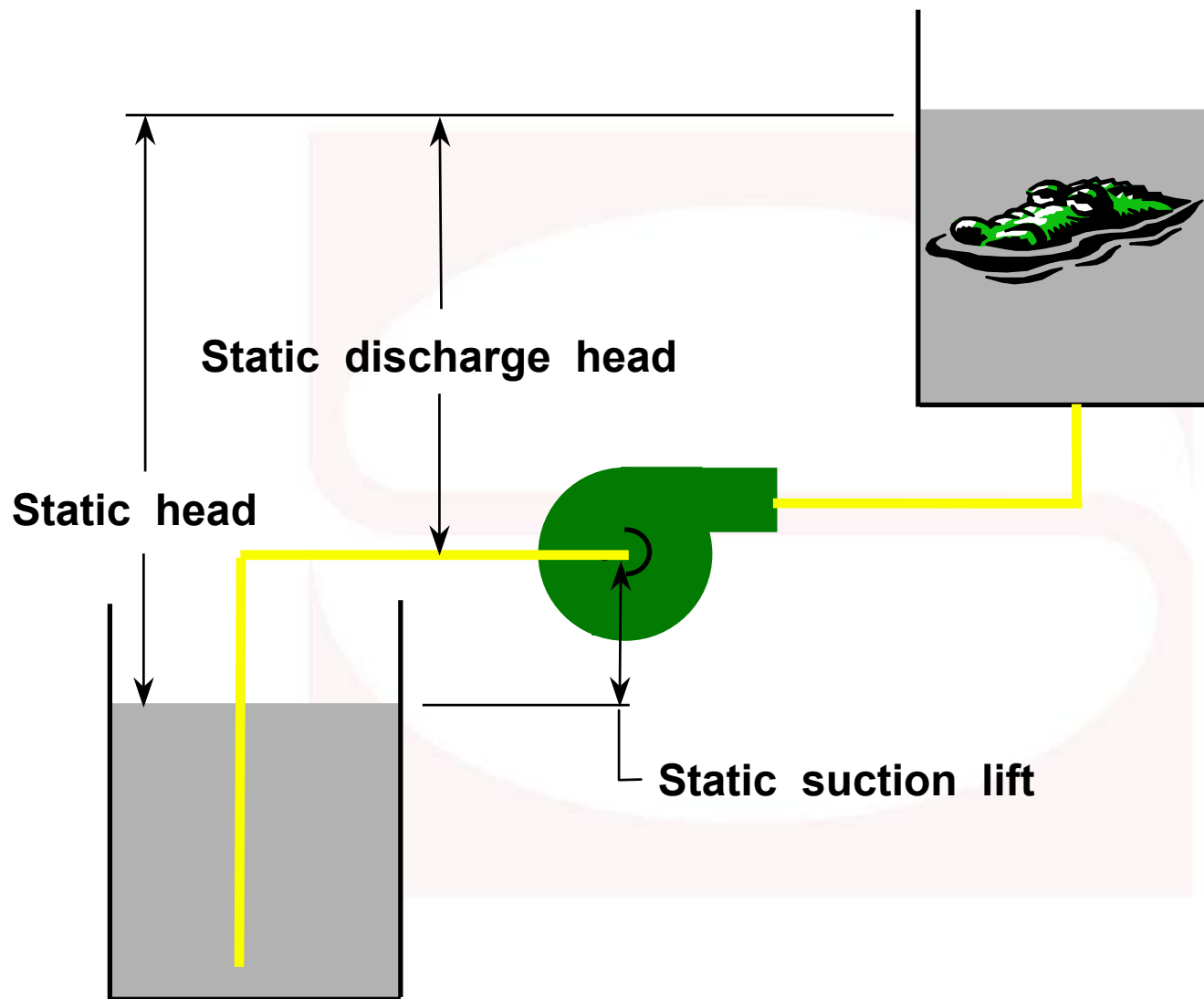
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Basic Selection Criteria cont'd

- Specific Gravity (water, oil, acid)
- Temperature
- Mechanical Seal or Packing
- Site Voltage and Phase
- Site Conditions (Hazardous, Humid, Hot)





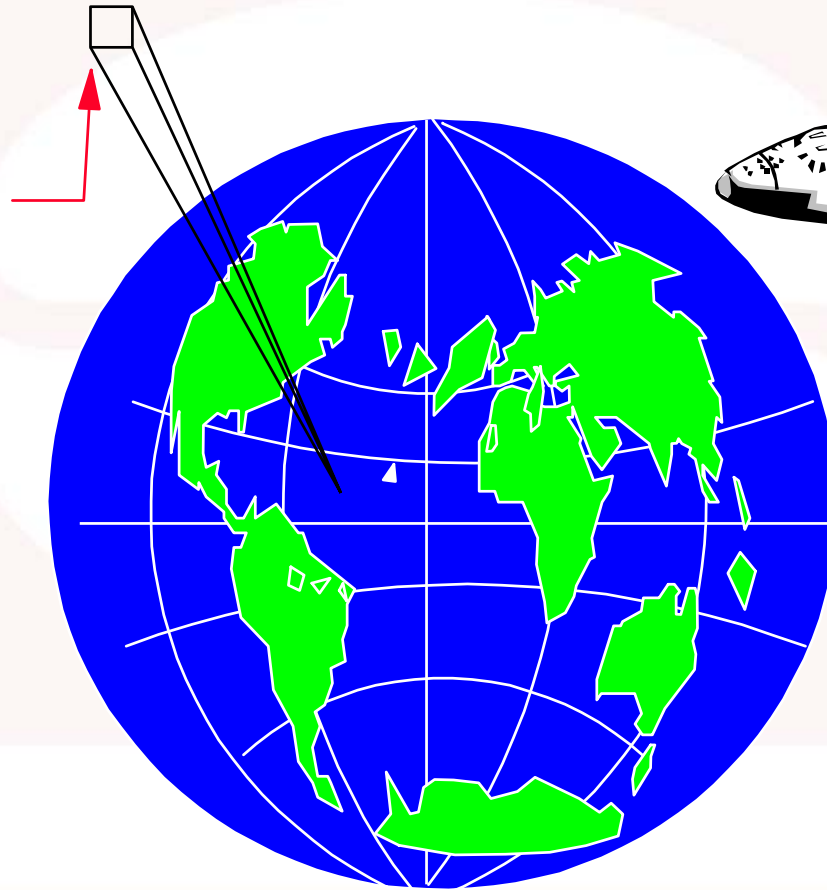


Static Head
+
Friction Head
Total Dynamic Head

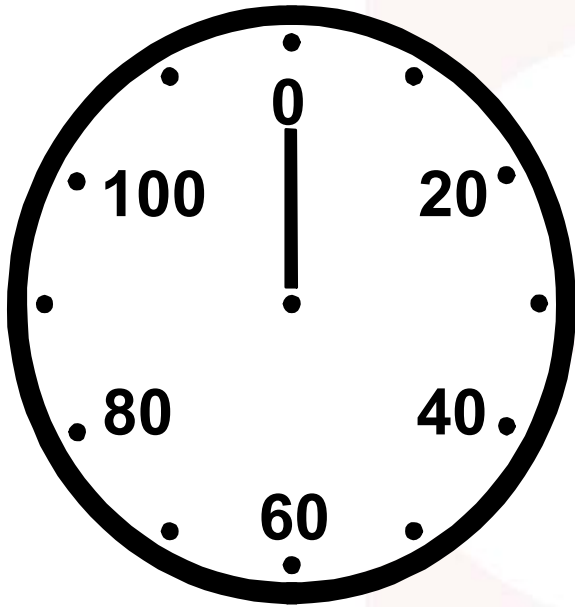
ATMOSPHERIC PRESSURE

1" SQUARE

14.7 psia
SEA LEVEL



GAUGE PRESSURE



0 psig