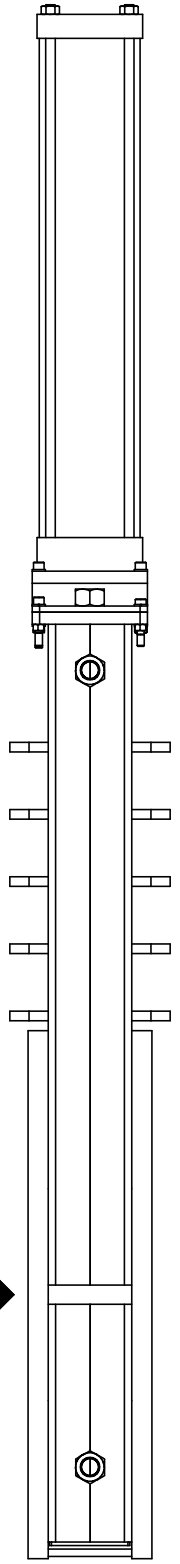
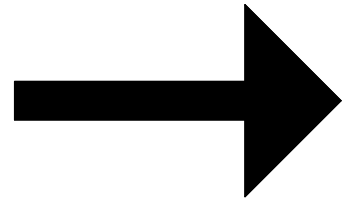


HARD VERSUS EASY WAY SEALING

A HARD WAY SEAL
ATMOSPHERIC PRESSURE IS
TRYING TO OPEN THE VALVE
BY PUSHING AGAINST THE
VALVE'S INTERNAL MECHANISM.

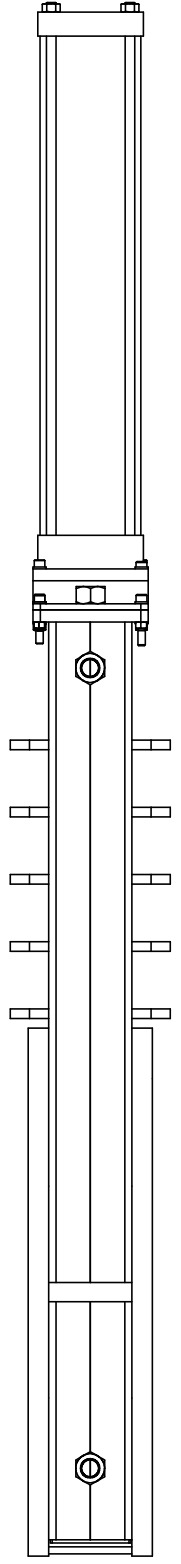
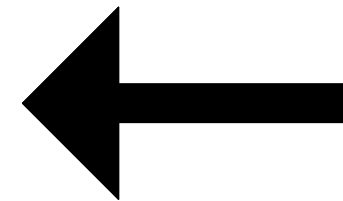
ATMOSPHERE
~15 PSI



VACUUM

AN EASY WAY SEAL
ATMOSPHERIC PRESSURE IS
HELPING HOLD THE VALVE
CLOSED BY PUSHING WITH
THE VALVE'S INTERNAL MECHANISM.

ATMOSPHERE
~15 PSI



IN BOTH CASES, THE GATE IS ON THE LEFT SIDE OF THE VALVE AND THE
CARRIAGE IS ON THE RIGHT SIDE OF THE VALVE.