



## MARK 53 SAND HOPPER

The object of the application is to keep approximately 40 psig pressure pressure in the hopper. The spring setting of 60 lbs will keep the valve closed with the 100 psig air inlet. If the 40 psig exhaust drops below psig, the valve opens to allow more air into the hopper to the exhaust pressure. As the exhaust pressure rises to 40 psig or more, the Mark 53 will close and the exhaust pressure will drop back to 40 psig. This application permits the use of a simple regulator, but the sand-air mixture exhaust pressure which is being controlled and will not damage the valve seat.