



# MPV VALVE

## Specifications & Description

### Product Numbers

Part#	Diameter	Opening pressure	Max. pressure	Working temperature	Pressure drop
3188-3100AC	1 1/2"	3.6 ±0.3Bar	28Bar	<120°C	<0.Bar
3188-3700AC	2"				
3188-03200AC	2 1/2"				
3188-3300AC	3"				
3188-3400AC	4"				
3188-3500AC	5"				
3188-3600AC	6"				

### Product Description

#### Minimum Pressure Valves are recommended in cold start conditions.

During a cold start up period, the system's condensing temperature is still low, the discharge pressure will stay at a low level which means the pressure differential between discharge and the suction side will not be enough for the compressor to run efficiently.

Under such working conditions, the compressor might have difficulties loading itself. Oil supply to bearings and internal cooling might not be enough, which can cause serious damage to those moving parts.

With the Minimum Pressure Valve, the pressure differential can be built up quickly after the start up so the capacity control and oil supply to those moving parts won't be a issue, so the compressor protection can be achieved. In addition to the protection purpose, it can also act as a check valve to reduce the reverse running time after the compressors shutdown.

Flange on the minimum pressure valves are provided for the ease of installation. It can be installed on either the compressor's discharge port or external oil separator's discharge port (F type compressor only).



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