



*Engineered to last*

### HANDLES LUMPS

The MVO offset valve is designed to handle free flowing lumpy products, or materials that must not be damaged by the rotor tips.

The product flows into the rotor from the side and as the rotor turns, falls to the bottom of the pocket, keeping it away from the rotor tips where the product might jam the valve or get damaged by the chopping effect of the rotor tips.



### ATEX CERTIFICATION

The MVO offset range is certified by Basseefa for use with explosive products, both as equipment and as a protective device.

As equipment, the valves are suitable for use with an internal zone 20 atmosphere where an explosive mixture is constantly present. Where explosion isolation is required, they have been tested to 10 bar with St2 category dusts.

|           | Internal | External |
|-----------|----------|----------|
| Zone 0/20 | ✓        | ✗        |
| Zone 1/21 | ✓        | ✓        |
| Zone 2/22 | ✓        | ✓        |
| APD       | ✓        | ✗        |

### HIGHLY CONFIGURABLE

The rotor is available with many different configurations including square tip, friction relieved, wear plate, polyurethane, spring steel and closed end.

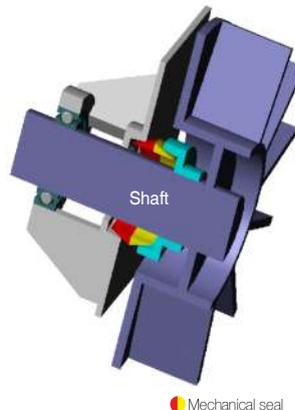
They are all carefully machined to give the tightest possible clearance for each particular product meaning less leakage and a longer wear life before the clearances are too large.

We can fit chain or direct drives, and for high temperature applications extend the drive, use carbon lubricated or water cooled bearings and high temperature, gas purged shaft seals.

### LEAK FREE MECHANICAL SHAFT SEALS

With traditional seals the product pushes past packings and wear the shaft and even the body behind hard facings can wear out. Used for over 25 years, MID's unique mechanical shaft seals are leak tight and maintenance free, dramatically reducing maintenance costs and improving site housekeeping.

#### Eliminate all repetitive, leaking shaft maintenance



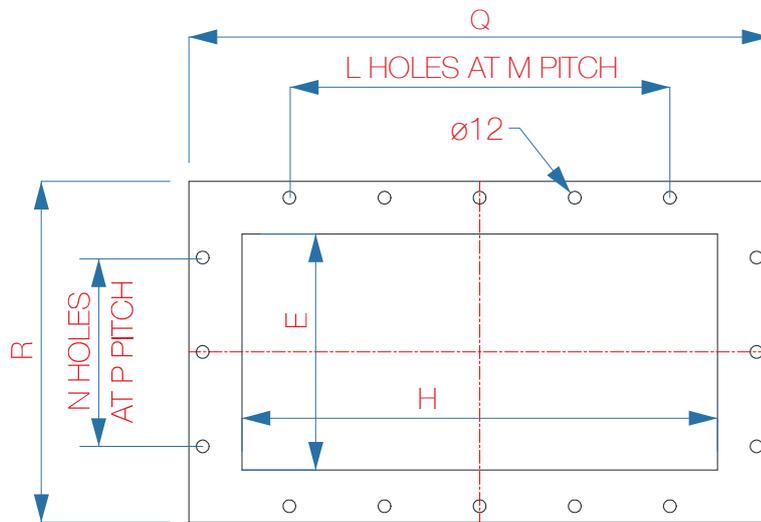
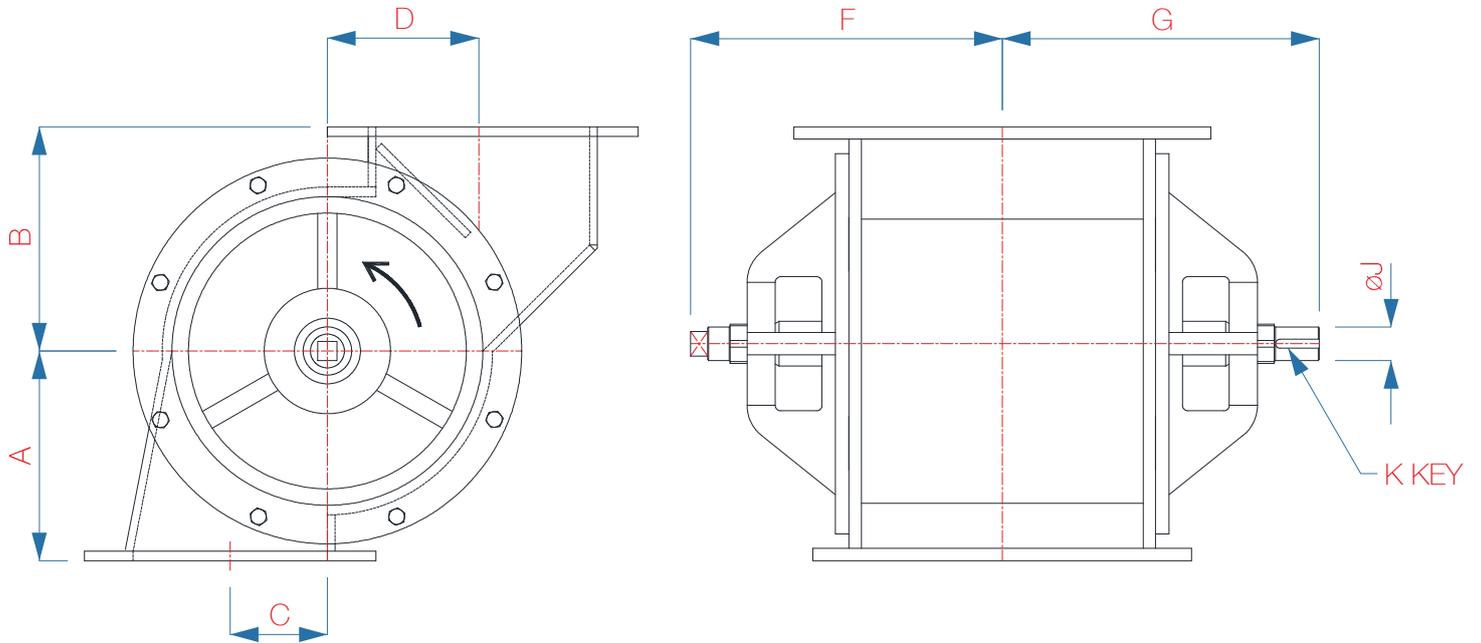
- Have no loss of product
- Immediately improve housekeeping and health and safety standards
- Eliminate compressed air purge costs
- Extend bearing life

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Manufacturers of powder handling equipment since 1959

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| Size      | A   | B   | C   | D   | E   | F   | G   | H   | J  | K    | L | M   | N | P  | Q   | R   | L/rev | kW   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-----|---|----|-----|-----|-------|------|
| <b>08</b> | 140 | 140 | 102 | 127 | 102 | 260 | 273 | 203 | 25 | 8x7  | 2 | 152 | 2 | 76 | 279 | 178 | 5     | 0.37 |
| <b>12</b> | 197 | 197 | 152 | 178 | 152 | 330 | 375 | 305 | 40 | 12x8 | 4 | 89  | 2 | 89 | 406 | 254 | 17    | 0.55 |
| <b>18</b> | 279 | 273 | 225 | 270 | 229 | 419 | 482 | 457 | 45 | 14x9 | 5 | 89  | 3 | 89 | 559 | 330 | 60    | 1.50 |

Custom intermediate, smaller and larger versions are also available

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