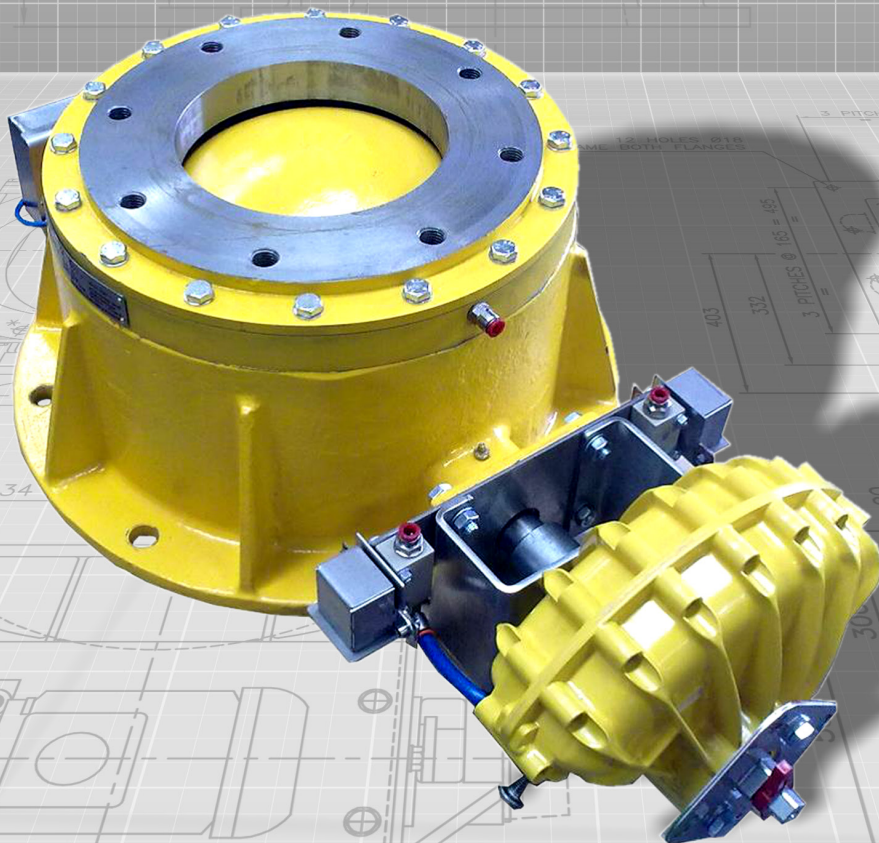




everything under control...



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ROUNDHEAD VALVE



INTRODUCTION

Roundhead valves are used in the bulk handling field as on/off controls for powder, pellets or granules falling under gravity from one discharge point to another.

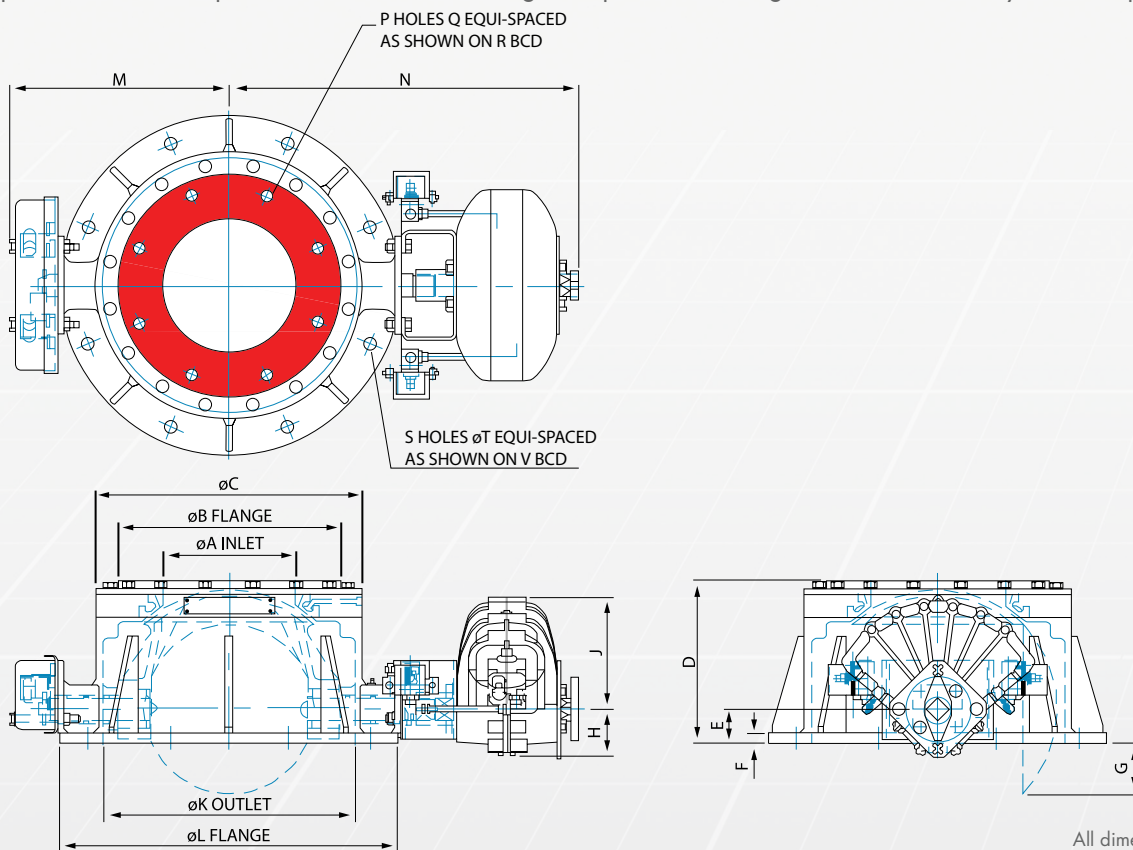
They are designed specifically to give a full bore opening in pressure applications and are particularly suited to handling abrasive products.

OPERATION

A pneumatic quarter turn actuator is directly coupled to the drive shaft. Air supply to the actuator is via a solenoid valve, flow regulators and piping. The flow regulators are fitted and set to restrict the dome operation speed to less than 3ft/s. Limit switches are fitted and positioned to indicate open/closed conditions.

CONSTRUCTION

The valve consists of a cast body and inlet flanges with an internal cast dome and inflatable seal. The castings are CNC machined to ensure that the seal is properly seated and presses uniformly against the dome when inflated. The dome is clamped to side shafts which operate within impregnated bush bearings in the body with external lubrication points. Lip seal shaft seals protect the environment against product leakage and maintain any internal pressure.



All dimensions are in inches

| SIZE | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | V |
|------|-----|---------|---------|----------|--------|--------|---------|----------|---------|---------|----------|----------|---------|----|----------------|---------|----|---------|-----------|
| 4" | 4" | 10" | 10" | 7" | 2" | 5/8" | 1 3/16" | 1 5/8" | 6 5/16" | 9 1/16" | 13 3/8" | 11 3/8" | 13 3/8" | 8 | M 16 x 16 DEEP | 7 1/2" | 6 | 1 1/16" | 11 13/16" |
| 6" | 6" | 11" | 13 3/8" | 8 5/8" | 2" | 5/8" | 2 3/16" | 1 5/8" | 6 5/16" | 12 5/8" | 19" | 12 5/16" | 16 1/4" | 8 | M 20 x 20 DEEP | 9 1/2" | 8 | 7/8" | 15 3/8" |
| 8" | 8" | 13 1/2" | 16 1/8" | 10" | 2" | 5/8" | 3 1/8" | 2 13/16" | 6 3/4" | 15 5/8" | 20 1/2" | 13 5/16" | 21 1/4" | 8 | M 20 x 20 DEEP | 11 5/8" | 8 | 7/8" | 18 1/2" |
| 12" | 12" | 19" | 22 1/2" | 12 1/16" | 3 1/4" | 5/8" | 5 1/8" | 1 5/8" | 6 5/16" | 21 3/4" | 27 3/16" | 16 5/8" | 20 1/4" | 12 | M 22 x 22 DEEP | 17" | 12 | 1" | 24 13/16" |
| 16" | 16" | 23 1/2" | 29 1/2" | 17 3/16" | 4" | 1 3/8" | 5 7/16" | 3 1/2" | 9 1/4" | 28 3/8" | 36 1/4" | 20 1/2" | 24 7/8" | 16 | M 24 x 25 DEEP | 21 1/4" | 12 | 1 5/16" | 33" |

Dimensions are approximate and subject to change without notice
Planning-in detail for general guidance only
(To cover safety aspects ask for our safety leaflets)
Drillings are RotoLok standards. Variations can be made.