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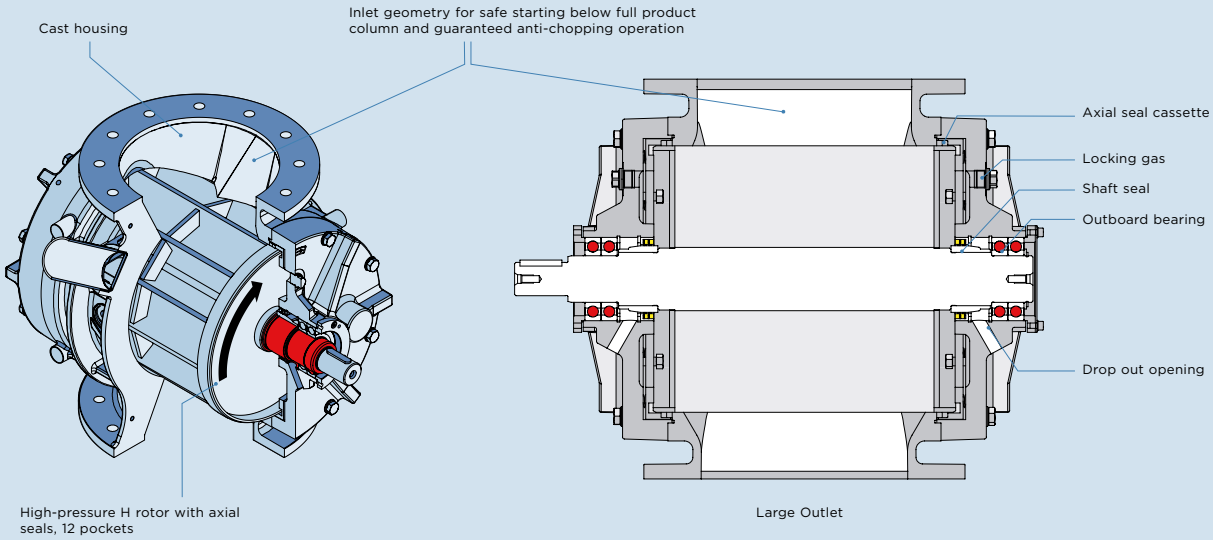
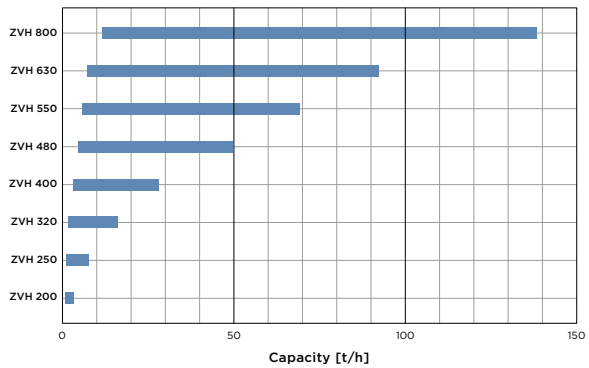
# Rotary Valve ZVH

**HIGH-PRESSURE DISCHARGING VALVE FOR PELLETS**

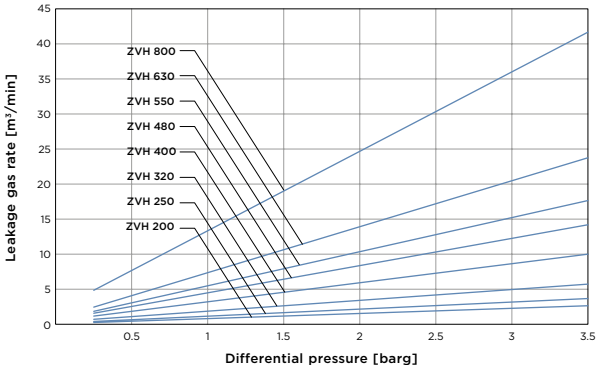
_ Ideal ratio of rotor volume to inlet cross section creates maximum capacity
_ With special inlet geometry for gentle product handling
_ With feeding shoe also suitable for feeding bulk materials into pneumatic conveying systems at up to 3.5 barg (51 psi)




**Performance diagram**
PE/PP pellets with bulk density 520 kg/m³ and 3.0 mm particle size, Δp = 2.0 barg



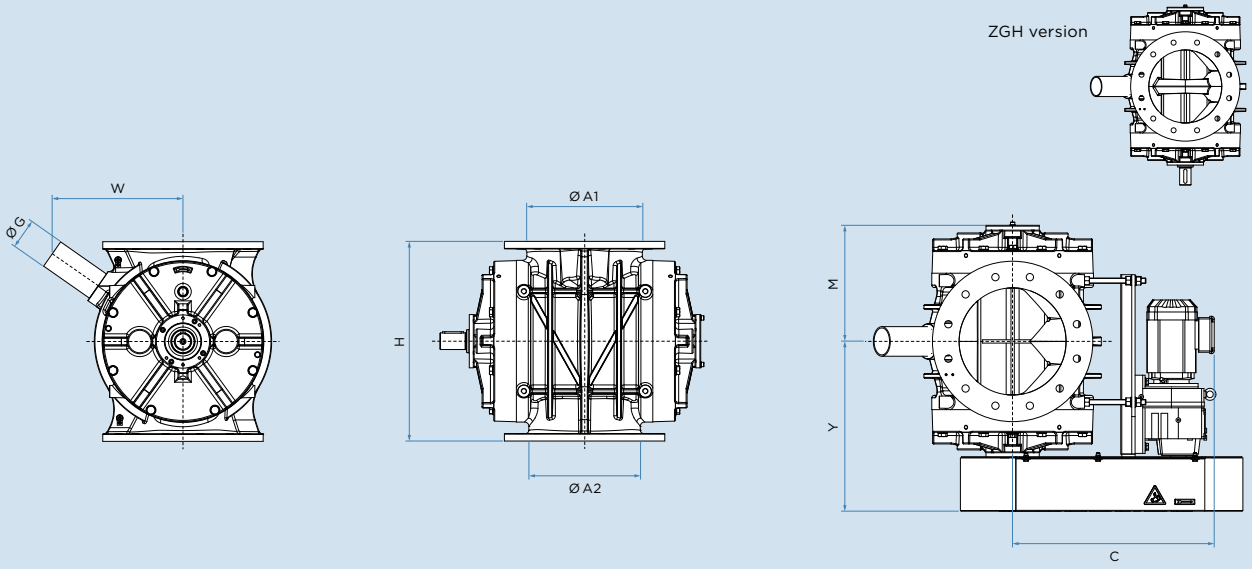

**Leakage gas diagram**
(New, standard clearance 60 °C, max. speed)



| | |
|---|---|
| **MAX. PRESSURE** | 3.5 barg (51 psi) system and differential pressure |
| **PRESSURE SURGE PROOF** | 10 barg (145 psi), due to heavy duty design |
| **ATEX (OPTIONAL)** | Usable in ex-zones |
| **PELLET INLET** | Special inlet geometry for gentle operation at full product column |
| **LOW LEAKAGE CAPACITY** | High-pressure rotor with 12 pockets and axial seals<br>High throughputs by venting internal gas leakage prior to filling rotor pockets |

**OPTIONS AND ACCESSORIES**

_ Quick cleaning coupling with extraction device
_ Rotor with shallow pockets
_ ZGH version (pellet deflection)
_ DUROPROTECT® wear protection, page 36
_ High-temperature design (T) up to 250 °C




Shown without drive | Shown without drive | With chain drive

| | Inlet*/Outlet* | | | | Other dimensions | | | | | | Weight*** (appr. kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A1/A2 (DIN) | A1/A2 (ASME) | Ø A1 | Ø A2 | $H^{+7}_{-1}$ | C** | Y** | W | M* | Ø G | AL | SS |
| **ZVH 200** | DN 150 | 6" | 166 | 155 | 360 | 402 | 367 | 202 | 245 | 48.3 | 105 | 135 |
| **ZVH 250** | DN 200 | 8" | 213 | 207 | 450 | 467 | 418 | 278 | 272 | 60.3 | 160 | 205 |
| **ZVH 320** | DN 250 | 10" | 272 | 259 | 500 | 535 | 462 | 320 | 315 | 76.1 | 240 | 305 |
| **ZVH 400** | DN 300 | 12" | 322 | 310 | 600 | 592 | 510 | 393 | 359 | 88.9 | 335 | 440 |
| **ZVH 480** | DN 350 | 14" | 360 | 337 | 750 | 686 | 569 | 464 | 418 | 88.9 | 485 | 665 |
| **ZVH 550** | DN 400 | 16" | 410 | 387 | 850 | 780 | 588 | 537 | 436 | 114.3 | 680 | 930 |
| **ZVH 630** | DN 500 | 20" | 511 | 487 | 970 | 922 | 618 | 589 | 466 | 114.3 | 1010 | 1375 |
| **ZVH 800** | DN 700 | 28" | 700 | 680 | 1140 | 1095 | 771 | 754 | 616 | 168.3 | 1995 | 3495 |

Dimensions in mm * Drilled according to DIN PN 10 or the corresponding ASME standard. ** Dimensions do not apply to high temperature design; may vary according to drive. *** With drive.