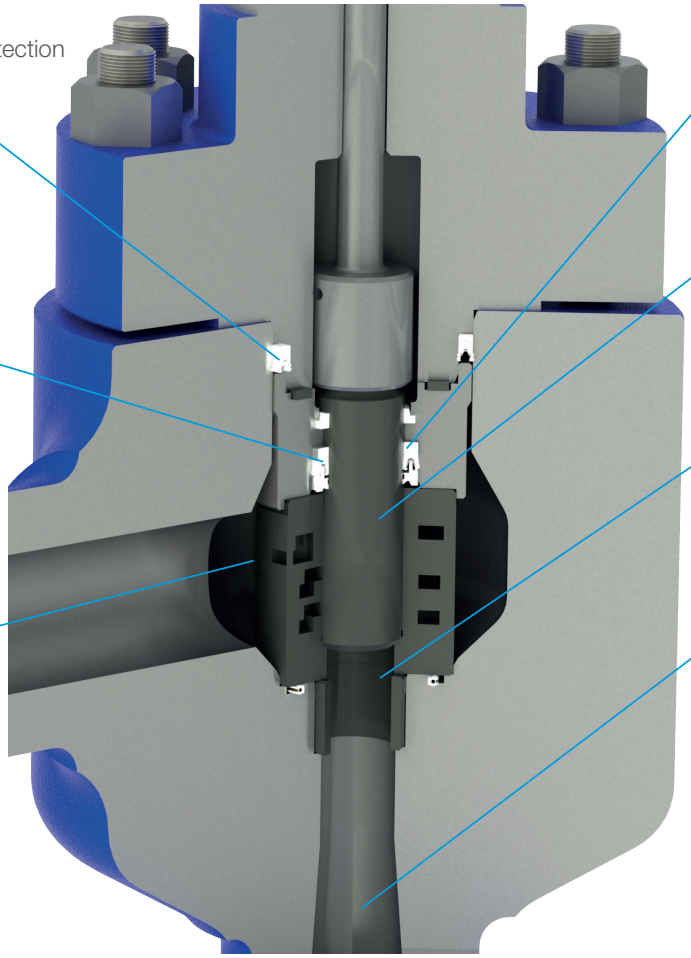
# 100DPC-S

Wellhead chokes face many challenges that can reduce life, increase maintenance costs, and create upsets in field operations. The 100DPC-S reduces the erosion rates seen early in the high pressure well life or after start-ups, and increases the time between maintenance intervals, giving long term reliable service. Through DRAG® technology and solid tungsten carbide trim, fluid and sand velocities are reduced, resulting in lower erosion rates and increased parts life. Available with either all DRAG® trim, or DRAG® & Cage trim, the 100DPC-S can be configured to meet the unique challenges of your production field.

## Key features




*Trim customisation to meet the needs of your wells*

### DRAG®

All DRAG® trim for wells that have long periods of high pressure operation. When pressures eventually decay the DRAG® & Cage trim can be installed for high capacity.

### Hybrid

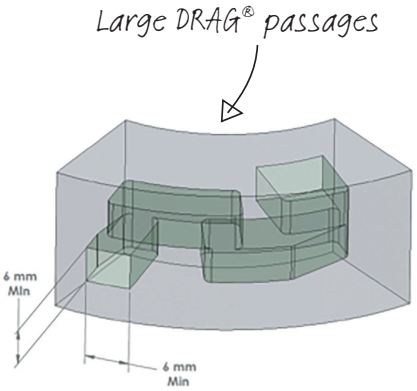
Hybrid DRAG® and cage technology provides stages for high pressure drops and a cage for lower pressure free flowing conditions

### Cage

Cages provide high capacity when well pressures have decayed and single stage cage performance is sufficient.

## Materials

| Body / Bonnet | Stem | Plug / Disk stack | Seals |
|---|---|---|---|
| A350-LF2<br>AISI 4130<br>A182-F6NM | 17-4 PH H150M<br>Inconel 718 | Solid Tungsten Carbide | Pressure-energised PTFE (No elastomers) |



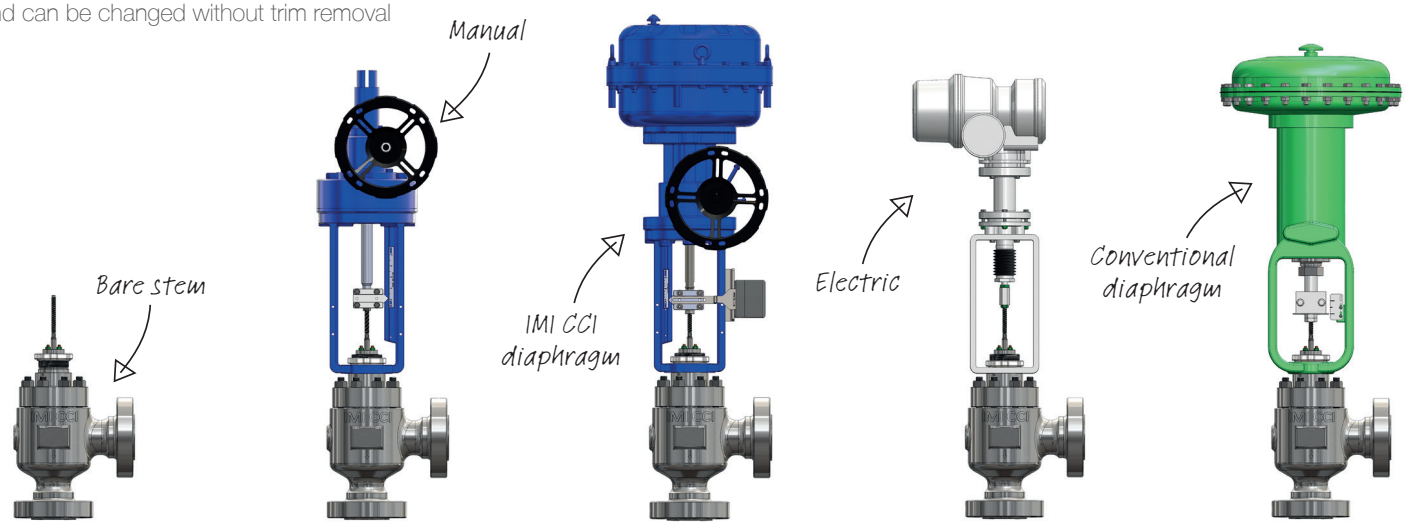

Each right angle turn is a single stage of pressure drop. Large expanding DRAG® flow passages enable sand and paraffin to pass through the trim

## Trim types and capacities

| | All DRAG® | Hybrid | Cage | Cv boost |
|---|---|---|---|---|
| **Trim type** | | | | |
| **Stages** | 6-4 | 4-2-Cage | Cage | Cage |
| **Cv / Bean** | 9 / 39 | 27 / 81 | 27 / 81 | 50 / 112 |

## Actuation options

All actuators have the same mounting details and can be changed without trim removal




## Sizes, pressure classes and dimensions (A and B)†

| | API 1 13/16" | ASME 2"<br>API 2 1/16" | API 2 9/16" | ASME 3"<br>API 6A 3 1/16"<br>(5k - 3 1/8") | ASME 4"<br>API 6A A 1/16" |
|---|---|---|---|---|---|
| **ASME 300# RF** | - | 7.75" | - | 7.62" | 9.88" |
| **ASME 600# RTJ (RF)** | - | 8.38" (8.38") | - | 8.63" (8.63") | 10.81" (10.75") |
| **ASME 900# RTJ (RF)** | - | 8.81" (8.75") | - | 10.13" (10.13") | 11.31" (11.25") |
| **ASME 1500# RTJ (RF)** | - | 8.81" (8.75") | - | 10.63" (10.63") | 10.88 (10.88") |
| **ASME 2500# RTJ** | - | 9.81" | - | 11.50" | - |
| **API 6A 5k, 6B** | - | 8.81" | 10.25" | 10.75" | 10.88" |
| **API 6A 10k, 6BX** | 8.81" | 8.81" | 9.38" | 10.75" | - |

†The design specification break may occur at the choke by changing the outlet connection size. For example, a 2 1/16" API 10k inlet x 3" ASME 600# outlet is possible. Contact factory for options.