

# **HDS - High-Pressure Plug Valve**

#### **High-Pressure Plug Valve**

DIN: 15 - 500 / PN 100 - 160

ASME: NPS 1/2" - 20" / class 600 - 900

PT range: -30 < T < 230/280°C, vacuum 10-8 mbar



#### **Design Features**

#### **Design Characteristics**

- High pressure safety sealing with stuffingbox packing
- type "HDS-GL" with trunnion mounted plug
- free of cavities
- maintenance free self lubricating
- readjustment of plug and stuffing box possible
- vacuum tight
- fugitive emmission resp. clean air act certified (TA Luft 2002 approval)
- Directive 2014/68/EU
- fire safe design API 607 / ISO 10497
- FDA conformity

PT-digram on request



## <u>VALVE AND FLOW CONTROL SPECIALISTS</u> SERVICE AND RELIABILITY



#### Standard body materials

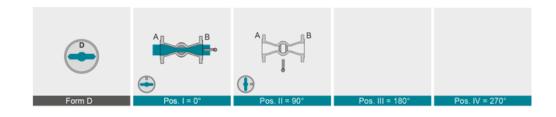
- Carbon Steel 1.0619, ASTM A216 WCB
- Stainless Steel 1.4408, ASTM A351 CF8M
- Stainless Steel 1.4308, ASTM A351 CF8
- Unalloyed stainless steel casting (low Temp.) 1.1138, LCC/LCB/A352 Standard plug materials
- Stainless Steel 1.4408, ASTM A351 CF8M
- Stainless Steel 1.4308, ASTM A351 CF8 Special materials
- Alloy
- Monel
- Nickel
- Zirconium
- Titanium
- Tantalum
- other materials on request

#### **Sealing Systems**

Firesafe safety sealing (API 607) for fluctuating temperatures with 3x graphite packing (adjustable) for additional stem sealing; Tmax 280°C

Type FSN

#### **Port Forms**

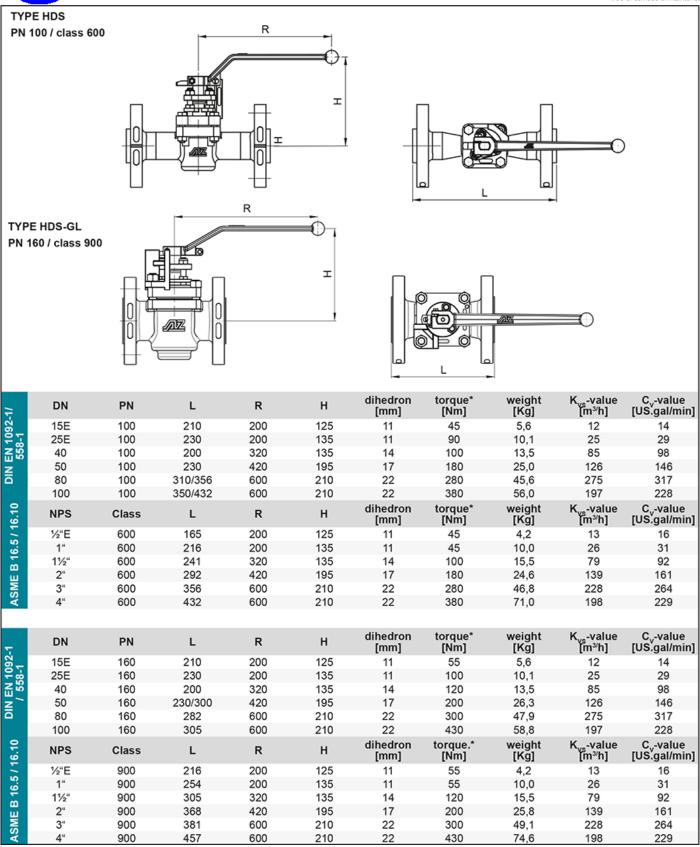


#### **Dimensions**



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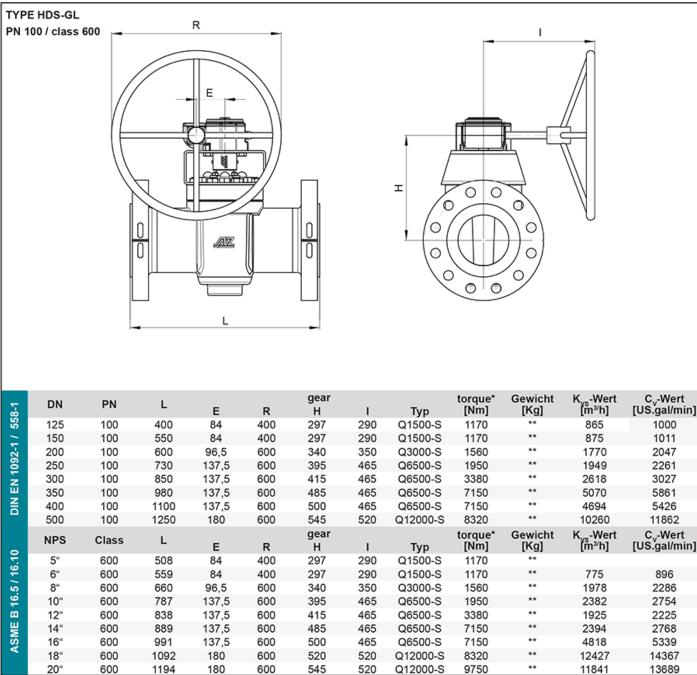






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including 100% safety factor for actuators

For geometric reasons, threads are used in the flange bores in a few cases

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