



ASTRON ENGINEERING

Petrochemicals
Refineries

Power Plant
Fertilizers

Pharma
Chemical

Marine
Food & Beverages

INTRODUCTION

ASTRON ENGINEERING

Located in Gujarat (India) is a leading manufacturer & exporter in the mechanical seals Industry.

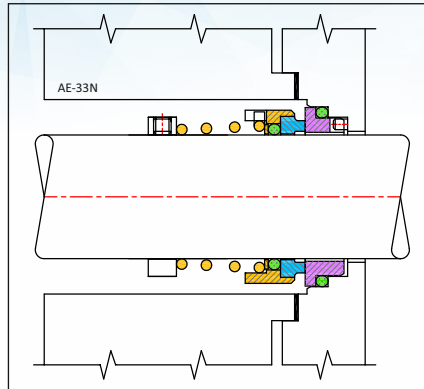
We are one of the largest special enterprises of producing all type of sealing assemblies and are specially known for our Economical Product with High Performance, Consistency in Quality Standards, Transparency in Dealing, Good Technical Support and after Sales Service and many more.

In addition we can manufacturer sealing products of special specifications & different technical requirement. We have excellent manufacturing equipments, scientific management system and perfect inspection methods to meet the market demand. We have got highly experienced technical staff along with testing facilities. Our Products are widely used in many industries, including in the petroleum, Chemical, machinery building, cosmonautics, printing, dying Food stuff pharmaceutical and auto industry.

We provide prompt services with effective cost inputs.

Assuring in product and service

AE-33N



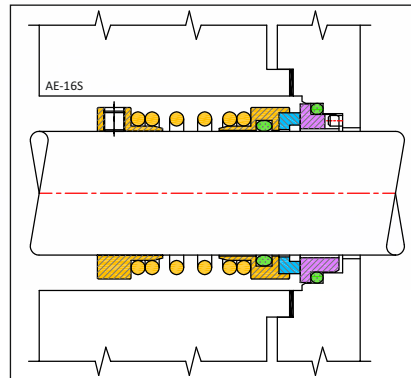
OPERATING LIMITS

SHAFT DIAMETER d_1 : 10...80mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ DEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-16S



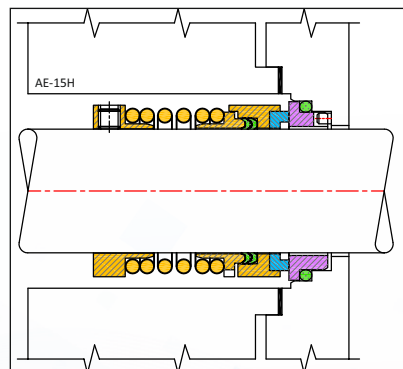
OPERATING LIMITS

SHAFT DIAMETER d_1 : 16...100mm
 PRESSURE p : 14 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-15H



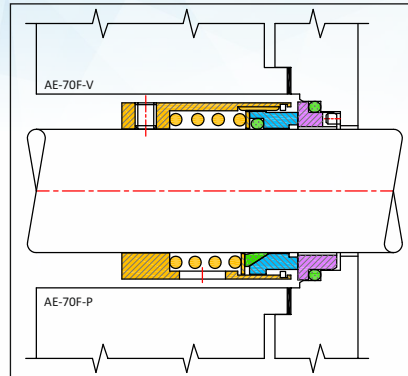
OPERATING LIMITS

SHAFT DIAMETER d_1 : 16...100mm
 PRESSURE p : 14 bar
 TEMPERATURE t : -40...+200°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-70F



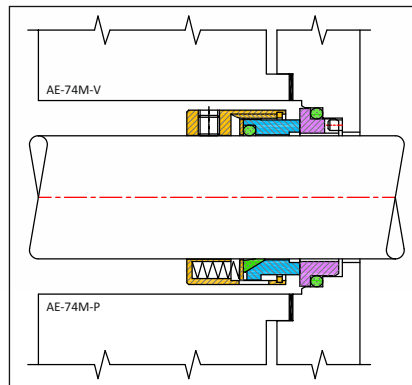
OPERATING LIMITS

SHAFT DIAMETER d1 : 14...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-74M



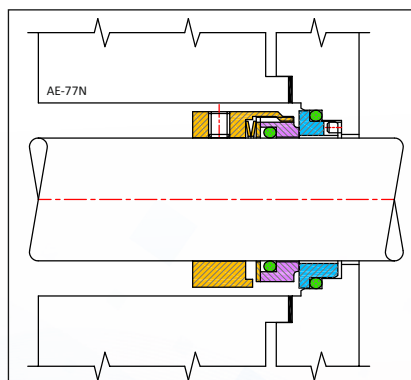
OPERATING LIMITS

SHAFT DIAMETER d1 : 12...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+200°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-77N



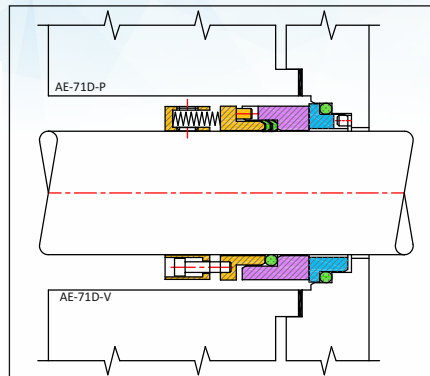
OPERATING LIMITS

SHAFT DIAMETER d1 : 18...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-71D



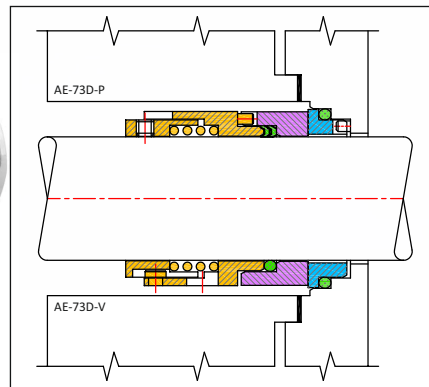
OPERATING LIMITS

SHAFT DIAMETER d_1 : 22...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+200°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-73D



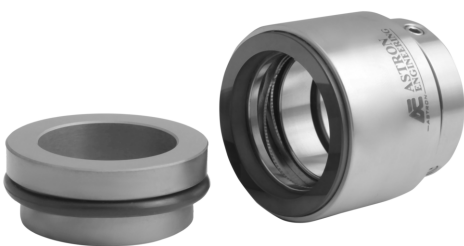
OPERATING LIMITS

SHAFT DIAMETER d_1 : 24...70mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+200°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-92N



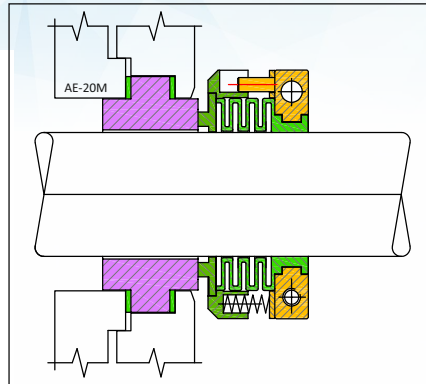
OPERATING LIMITS

SHAFT DIAMETER d_1 : 18...100mm
 PRESSURE p : 25 bar
 TEMPERATURE t : -20...+200°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED

AE-20M



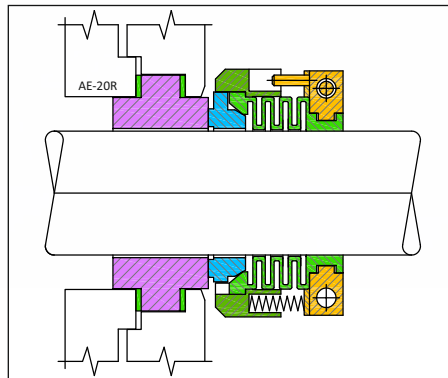
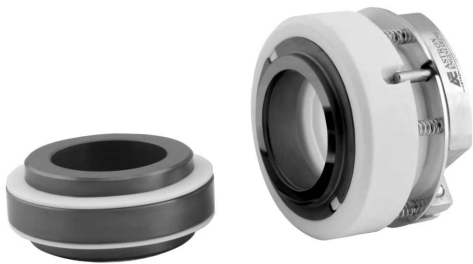
OPERATING LIMITS

SHAFT DIAMETER d1 : 19...100mm
 PRESSURE p : 5 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-20R



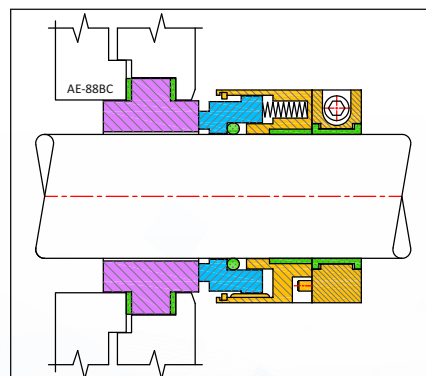
OPERATING LIMITS

SHAFT DIAMETER d1 : 19...100mm
 PRESSURE p : 5 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-88BC



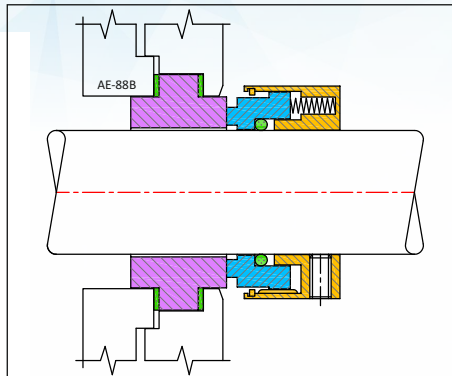
OPERATING LIMITS

SHAFT DIAMETER d1 : 20...100mm
 PRESSURE p : 25 bar
 TEMPERATURE t : -20...+180°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED

AE-88B



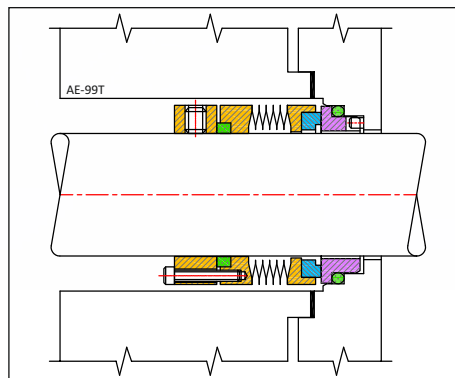
OPERATING LIMITS

SHAFT DIAMETER d_1 : 20...100mm
 PRESSURE p : 25 bar
 TEMPERATURE t : -20...+180°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED

AE-99T



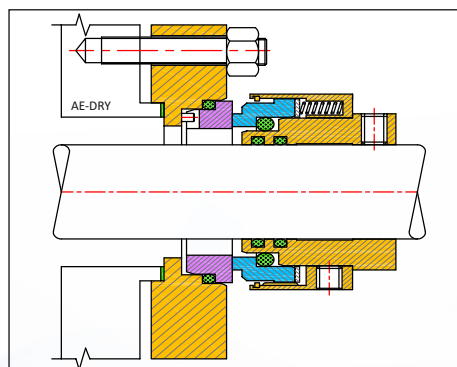
OPERATING LIMITS

SHAFT DIAMETER d_1 : 20...100mm
 PRESSURE p : 15 bar
 TEMPERATURE t : -20...+350°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-DRY



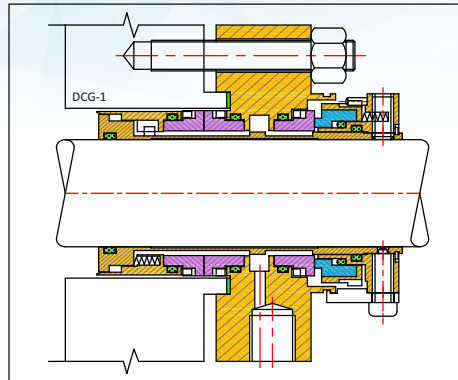
OPERATING LIMITS

SHAFT DIAMETER d_1 : 16...100mm
 PRESSURE p : vacuum...8 bar (max)
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED
- ◆ DRY RUNNING

DCG-1



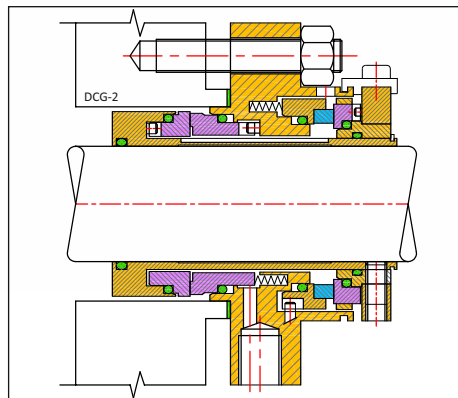
OPERATING LIMITS

SHAFT DIAMETER d_1 : 19...100mm
 PRESSURE p : 14 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED
- ◆ COMPAC CARTRIDGE UNIT

DCG-2



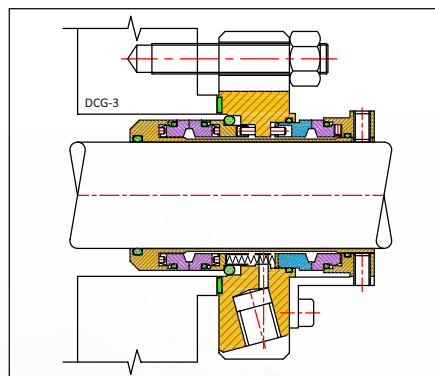
OPERATING LIMITS

SHAFT DIAMETER d_1 : 19...100mm
 PRESSURE p : 14 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED
- ◆ COMPAC CARTRIDGE UNIT

DCG-3



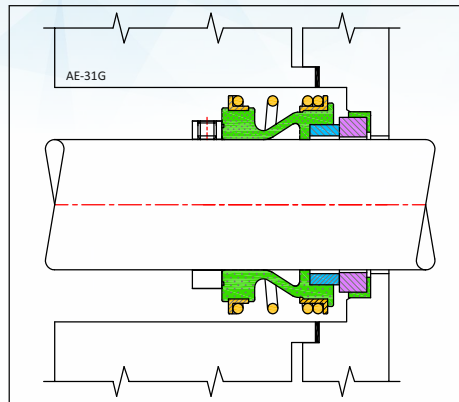
OPERATING LIMITS

SHAFT DIAMETER d_1 : 19...100mm
 PRESSURE p : 14 bar
 TEMPERATURE t : -20...+140°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED
- ◆ COMPAC CARTRIDGE UNIT

AE-31G



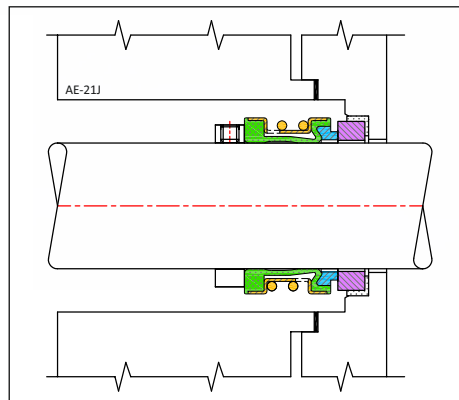
OPERATING LIMITS

SHAFT DIAMETER d_1 : 12...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-21J



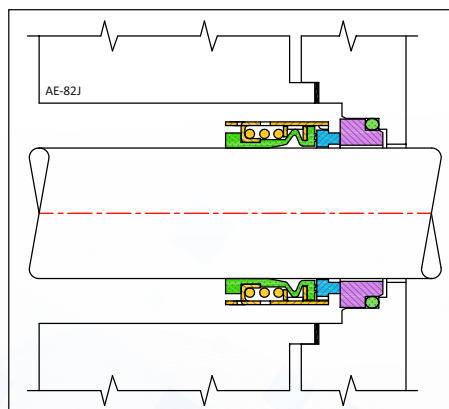
OPERATING LIMITS

SHAFT DIAMETER d_1 : 12...100mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-82J



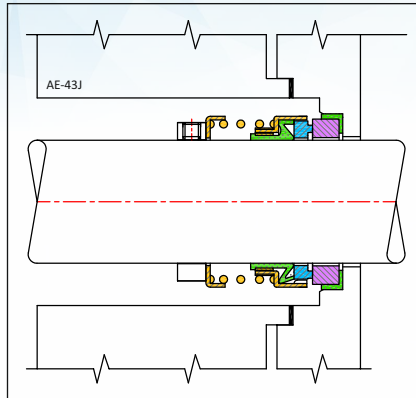
OPERATING LIMITS

SHAFT DIAMETER d_1 : 20...80mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-43J



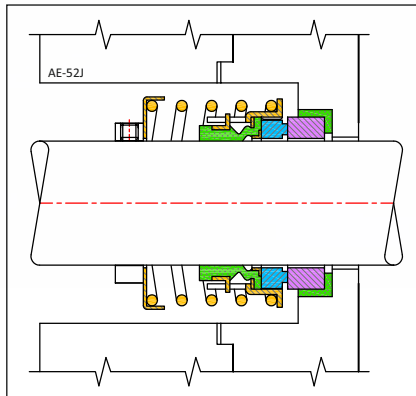
OPERATING LIMITS

SHAFT DIAMETER d1 : 12...75mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

AE-52J



OPERATING LIMITS

SHAFT DIAMETER d1 : 16...75mm
 PRESSURE p : 10 bar
 TEMPERATURE t : -20...+120°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ INSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ UNBALANCED

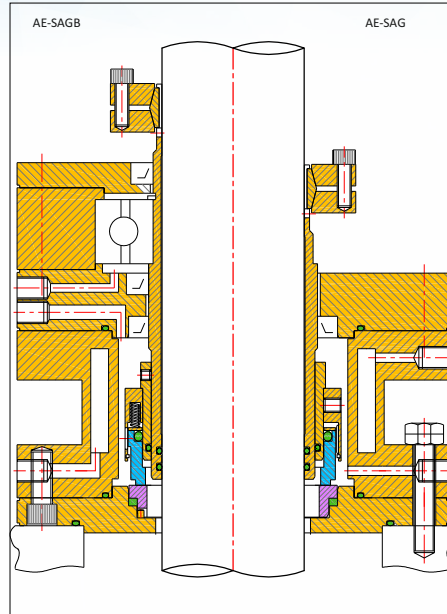
AE-81J

AE-11C

AE-25J



AE-SAGB



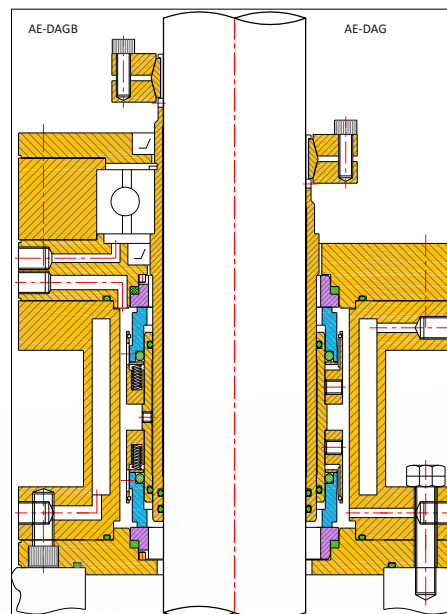
OPERATING LIMITS

SHAFT DIAMETER d_1 : 25...100mm
 PRESSURE p : vacuum...8 bar (max)
 TEMPERATURE t : -20...+180°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED

AE-DAGB



OPERATING LIMITS

SHAFT DIAMETER d_1 : 25...100mm
 PRESSURE p : vacuum...15 bar (max)
 TEMPERATURE t : -20...+180°C

SEAL CHARACTERISTICS :

- ◆ SINGLE ACTING
- ◆ OUTSIDE MOUNTED
- ◆ INDEPENDENT OF DIRECTION OF ROTATION
- ◆ BALANCED

DIARY PUMP SEALS

AE-LKH



AE-EM-FM-GM



AE-FRISTOM



AE-FRISTOM



GRUNDFOS PUMP SEALS

AE-GFCG



AE-GF05



AE-GF04



AE-GF02



AE-96B



TEXTILE SEALS

AE-STAR



AE-SLEEVE



AE-DEVREKHA-31



AE-M6



AE-DIAPHRAGM



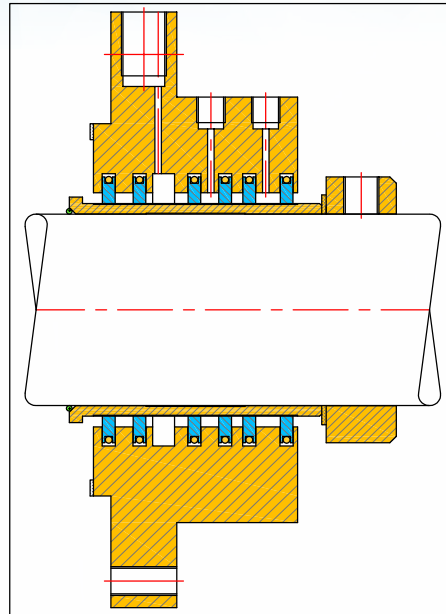
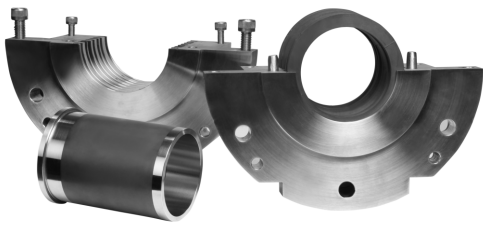
AE-SHAFT



AE-DEVREKHA-31.75



CARBON FLOATING RING SEALS



Long life, maintenance free compact labyrinth cartridge seals with low leakage
Successfully utilized in the oil and gas industry. (With barrier gas and grease barrier port)

MATERIALS

Seal ring : Carbon, PTFE compound

Housing : SS304/SS316

Tension spring : SS304/SS316

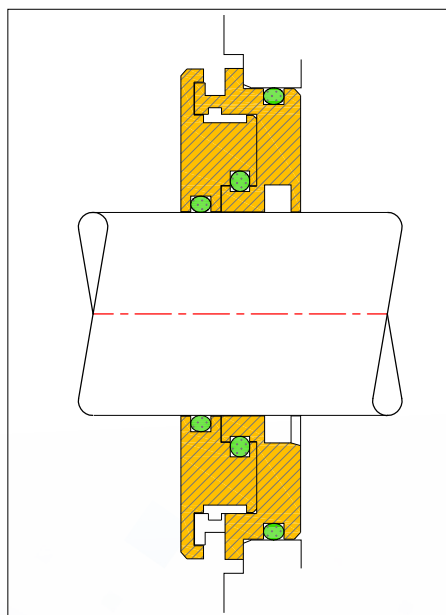
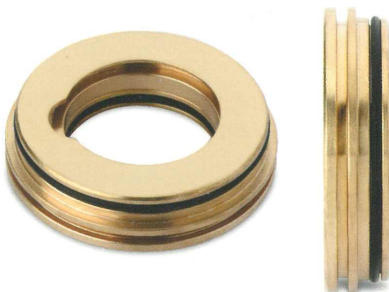
OPERATING LIMITS

SHAFT DIAMETER d : 40...300mm

PRESSURE p : vacuum ...15 bar

TEMPERATURE t : -40°C...+350°C

BEARING ISOLATOR



Close Tolerance bearing Isolator design locks cut moisture grit and dust, which extending bearing life. No more shaft wearing as compare to conventional oil seal.

Installs on bearing frames used in oil gas, chemical, mining, pulp and paper, power and general industries.

Thermosyphon Vessel

FEATURES

The Thermosyphon vessel is basically used as a storage & pressurising unit. This is used for double mechanical seals in back to back or tandem seal arrangement to provide necessary lubrication and cooling to the seal face to achieve recommended seal life. This is equipped with cooling coil inside the shell to bring down the temperature of barrier fluid coming from seal to Thermosyphon.

METAL PARTS

Thermosyphon shaft : SS 316 / SS 304 / MS

Cooling Coil : SS 304 / SS 316

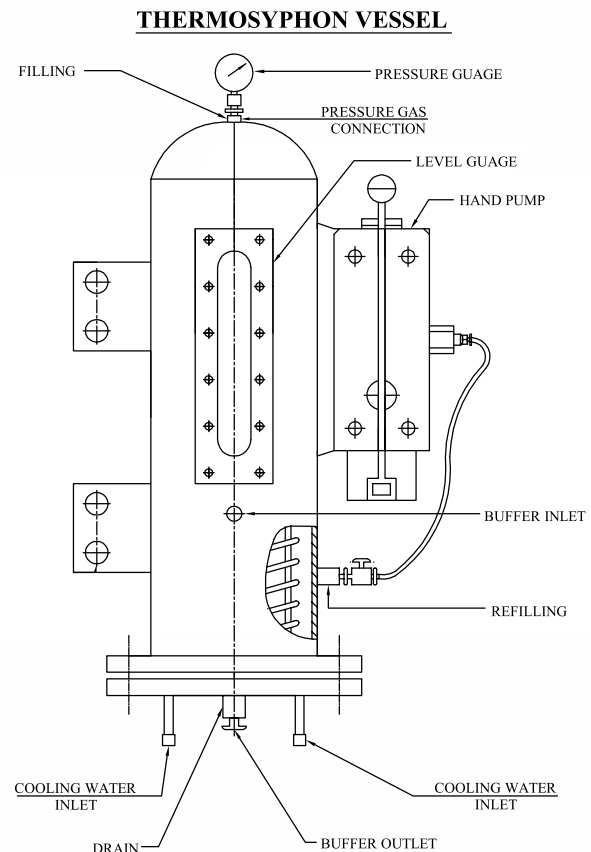
OPERATING LIMITS

Capacity : 10 Ltrs

Design Pressure : 10 bar

Temperature : 180°C (max)

Cooling water flow rate recommended : 10 Ltrs/min





www.astroneng.com



ASTRON ENGINEERING

Office & Mfg. Unit I: Plot no. 1-2, Nr. Jamiya Masjid, Behind Banas Weighbridge, State Highway 41, Tat. Palanpur, Dist. Banaskantha, Kanodar-385520, Gujarat.
Tel: +91-2742-241666, +91-2742-242666 Email: astroneng.india@gmail.com

Mfg. Unit II: Plot No. B/173/3, Near Sonal Park, State Highway-41, Opp. Marsal Motor Industries, State Highway 41, Tat. Palanpur, Dist. Banaskantha, Kanodar-385520, Gujarat.