

Extreme pressure seal ESD66H

triple-acting

ESD66H

Function

- Triple-acting, liquid lubricated mechanical seal for extreme pressure applications
- Third pair of seal rings forms a second seal liquid chamber
- A pressure splitting device can be fitted to significantly relieve the load on the seal rings
- Design for demanding processes with a high degree of reliability
- Suitable for extremely toxic and explosive products

Advantages

- Function in emergency situations: if one pair of seal rings fails, the seal operates as a double-acting mechanical seal
- Extended life time and less wear
- Lower leakage rates

Working limits

Operating pressure:	Vacuum ... 200 bar (abs.)
Vessel temperature:	-50...+400°C
Shaft size:	40...220 mm
Sliding speed:	0...3 m/s
Certification:	Acc. to ATEX 2014/34/EU

Materials

Housing:	Stainless steel
Product-wetted parts:	Stainless steel, Alloy, Titanium, special materials
Seal rings:	Carbon, Silicon Carbide
O-rings:	FKM (Viton), EPDM, FFKM (Kalrez, Chemraz etc.), special materials
FDA approval:	Available for all product-wetted parts

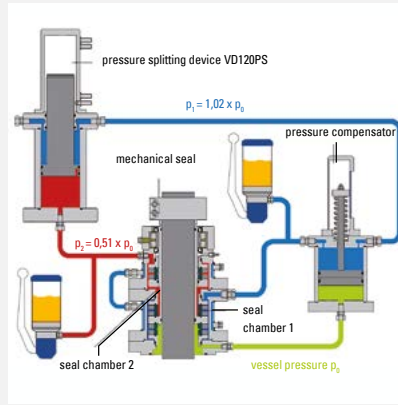
Applications

- Specialty chemicals
- Hydrometallurgy
- Demanding processes with high operational safety



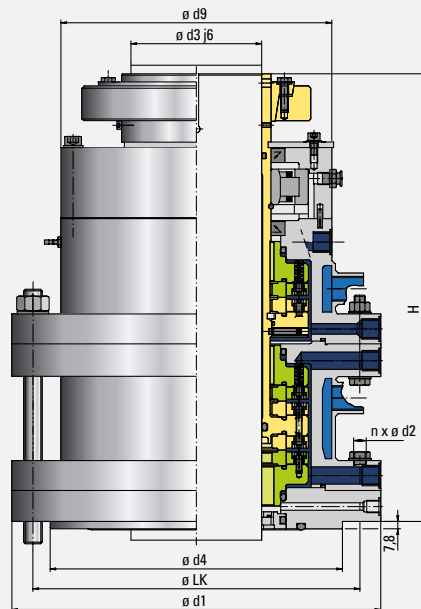


Pressure splitter
VD120PS



A triple acting mechanical seal with two seal chambers and pressure splitters, consisting of VD120 and VD120PS

Design Details ESD66H



Seal type / size	d1	d3	d4	d9	LK	n x d2	H
ESD66H / 040	195	40	110	195	165	4 x 18	333
ESD66H / 060	240	60	176	242	210	8 x 18	425
ESD66H / 080	275	80	204	213	240	8 x 23	450
ESD66H / 100	305	100	234	222	270	8 x 23	470
ESD66H / 120	330	120	260	256	295	8 x 23	495
ESD66H / 140	395	140	313	298	350	12 x 23	515
ESD66H / 160	395	160	313	311	350	12 x 23	530
ESD66H / 180	445	180	364	348	400	12 x 23	540
ESD66H / 200	445	200	364	380	400	12 x 23	550
ESD66H / 220	505	220	422	415	460	12 x 23	560

All dimensions in mm. Other sizes available on request. Technical data are subject to changes.