



Mostra Convegno delle Soluzioni
e Applicazioni Verticali di Automazione,
Strumentazione, Sensori.



Mostra Convegno della
Manutenzione Industriale.



Mostra Convegno delle Tecnologie
per l'Analisi, la Distribuzione
e il Trattamento.



Mostra Convegno della Domotica
e delle Building Technologies.

24 ottobre



25 ottobre



**VALVOLE POMPE
COMPONENTI**

Veronafiere 24 - 25 ottobre





Soluzioni innovative per Tenute Meccaniche a Cartuccia

Applitecno Service - Huhnseal AB

MCM 2012

Applitecno Service - Huhnseal - MCM 2012



Applitecno Service - Huhnseal - MCM 2012

HUHNSEAL AB
Järvgatan 1
Landskrona
SWEDEN

APPLITECNO SERVICE Srl
Via Magenta 91
Boffalora Sopra Ticino (MI)
ITALY



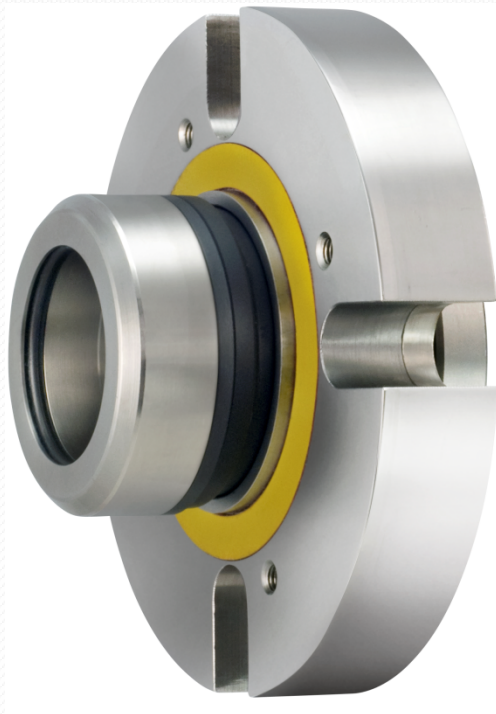
Applitecno Service - Huhnseal - MCM 2012

Principali segmenti di mercato per le Tenute a Cartuccia Huhnseal:

- ✓ Chimica e farmaceutica
- ✓ Alimenti e bevande
- ✓ Pulp&Paper
- ✓ Industria delle ceramica, mining & slurry
- ✓ Industria di processo
- ✓ Energia, impianti nucleari, impianti termici a concentrazione solare



Applitecno Service - Huhnseal - MCM 2012



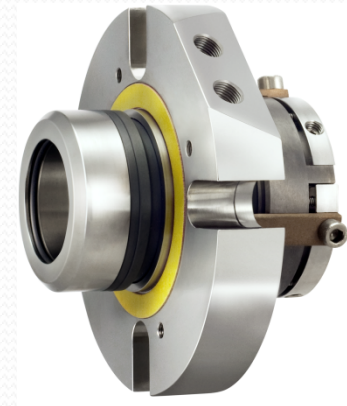
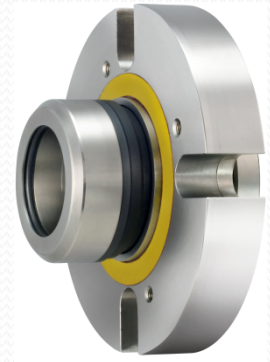
La Serie E



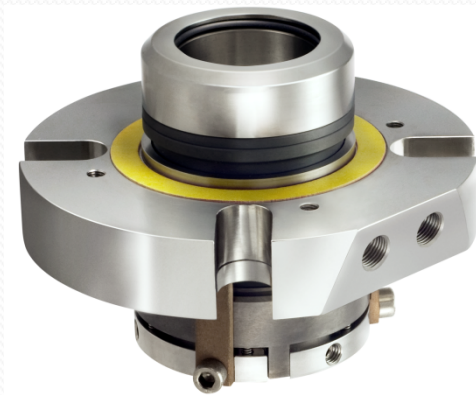
Applitecno Service - Huhnseal - MCM 2012

Particolarità della serie E:

- ✓ Facilità di installazione
- ✓ Dimensioni di ingombro ridotte
- ✓ Molle isolate dal prodotto e dal fluido barriera
- ✓ Eccellente flessibilità assiale e radiale
- ✓ Modularità

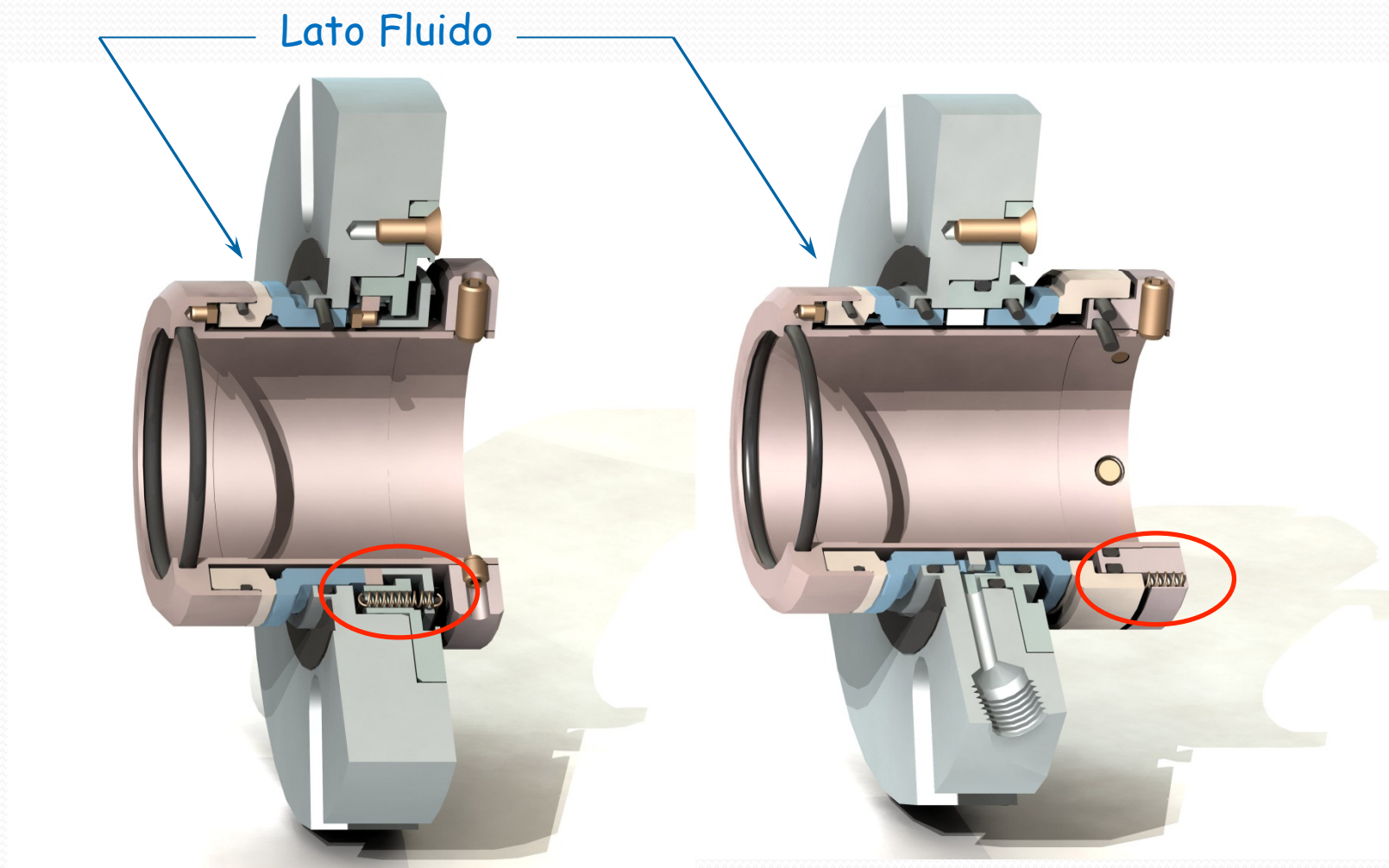


Dimensioni di ingombro ridotte



Applitecno Service - Huhnseal - MCM 2012

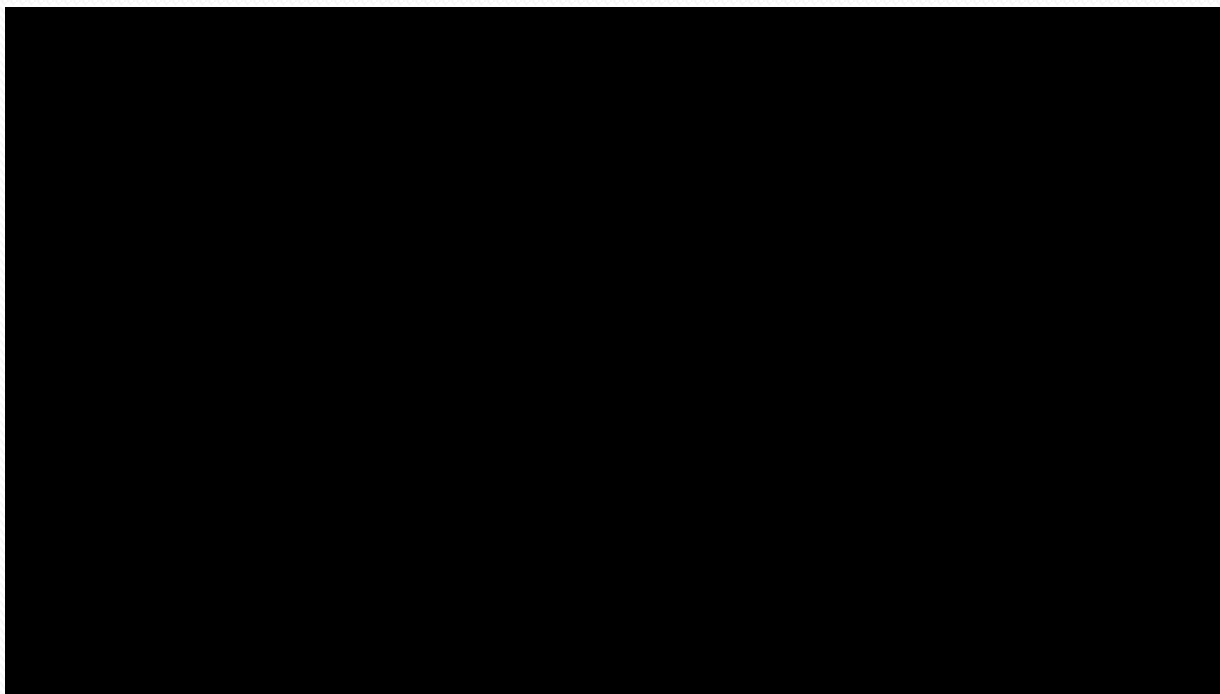
Molle isolate dal prodotto e dal fluido barriera



Applitecno Service - Huhnseal - MCM 2012

Flessibilità:

- ✓ $\pm 2\text{mm}$ di movimento assiale
- ✓ $\pm 4^\circ$ di movimento angolare



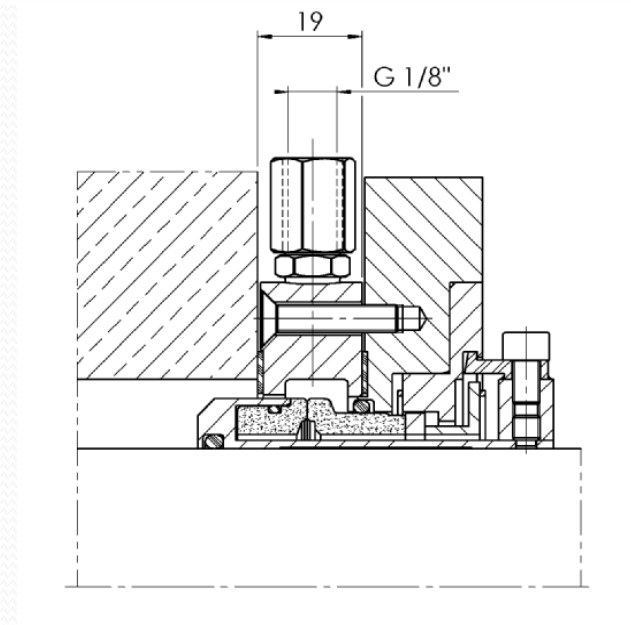
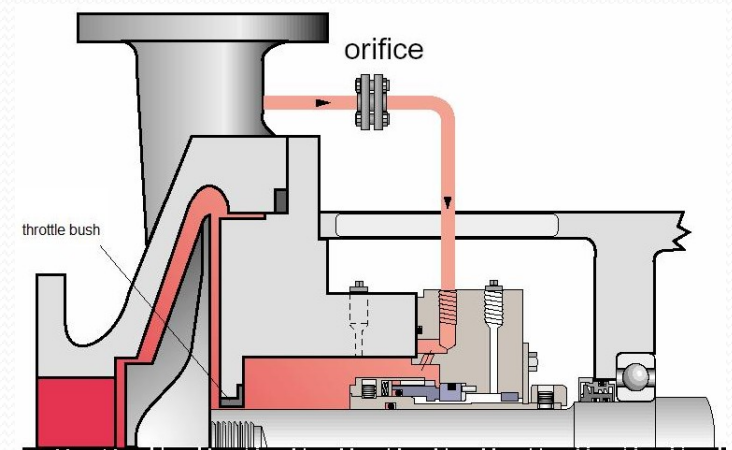
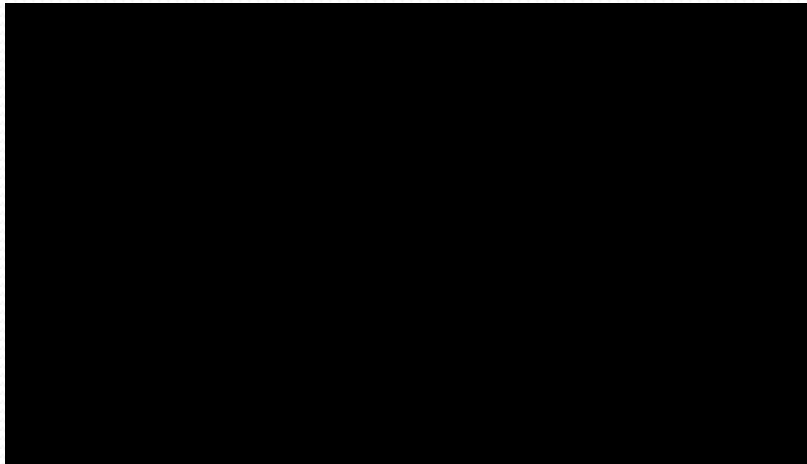
Applitecno Service - Huhnseal - MCM 2012

Flessibilità:

- ✓ $\pm 2\text{mm}$ di movimento assiale
- ✓ $\pm 4^\circ$ di movimento angolare

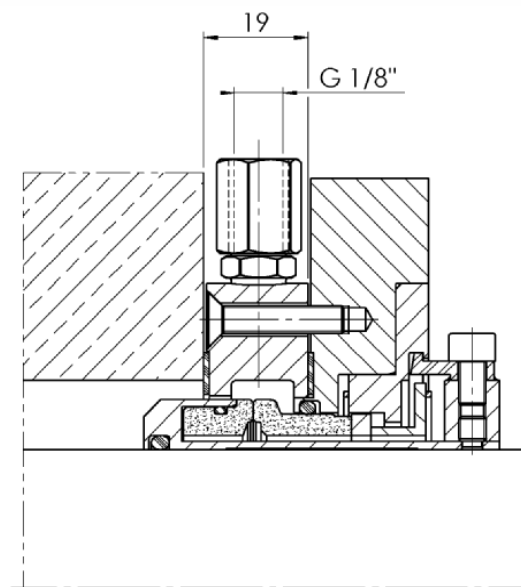
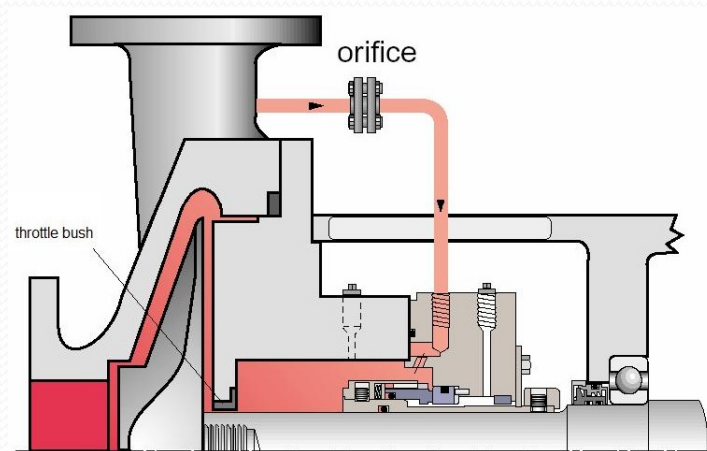
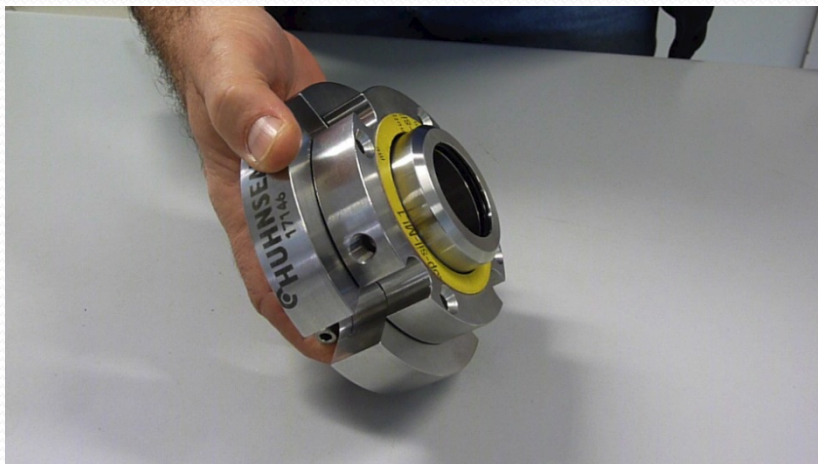
Applitecno Service - Huhnseal - MCM 2012

Modularità

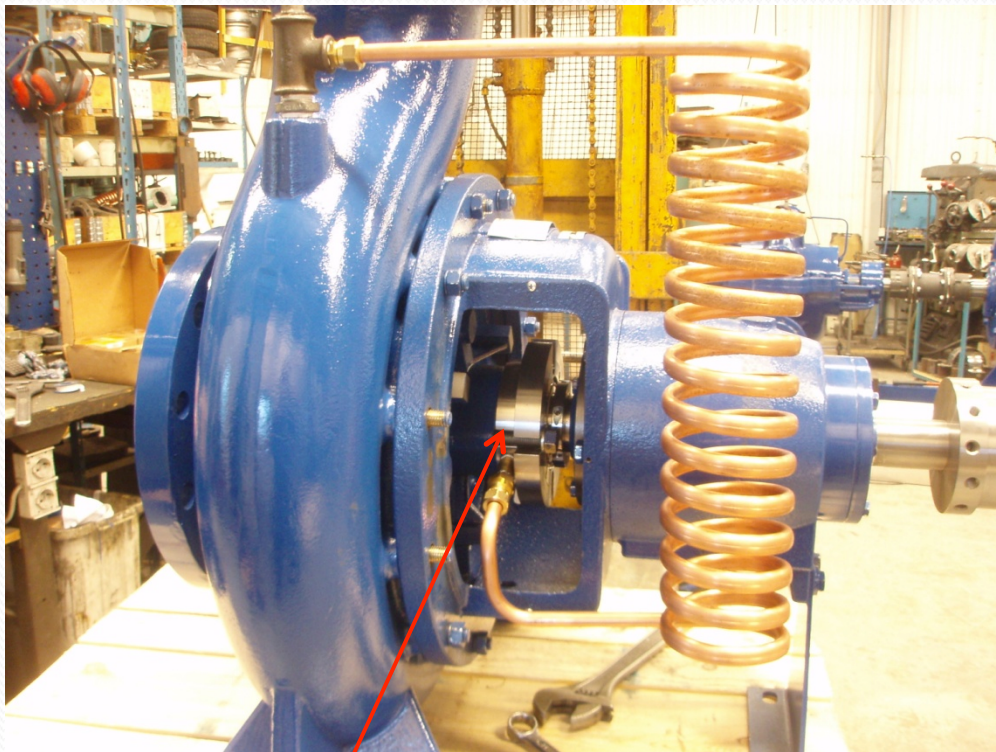


Applitecno Service - Huhnseal - MCM 2012

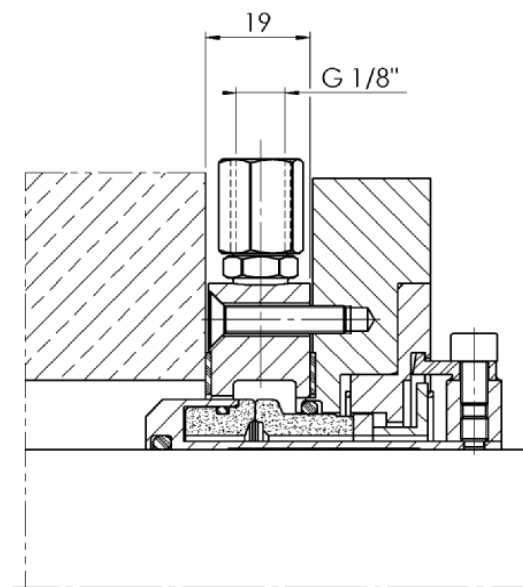
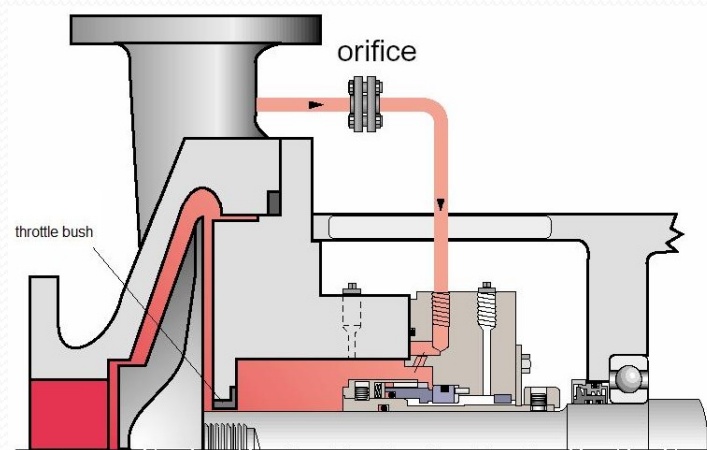
Modularità



Modularità



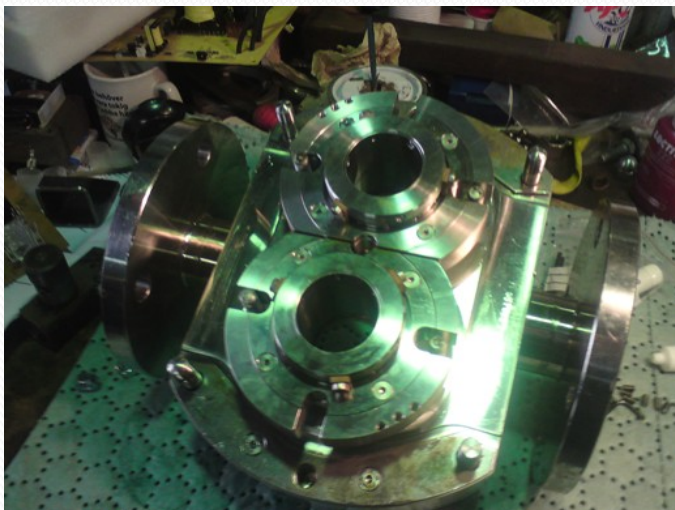
HUHNSEAL ESF (con flangia di flussaggio)



Applitecno Service - Huhnseal - MCM 2012

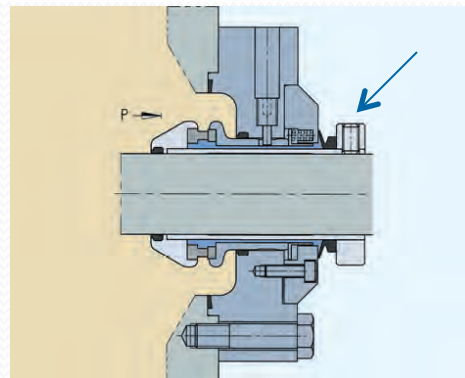
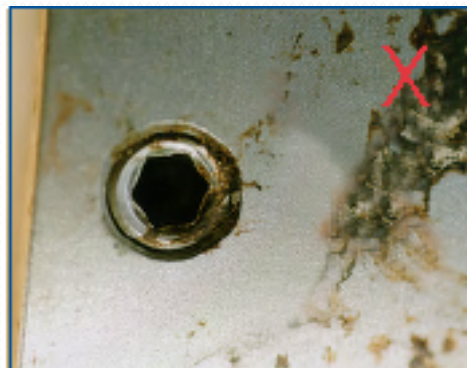
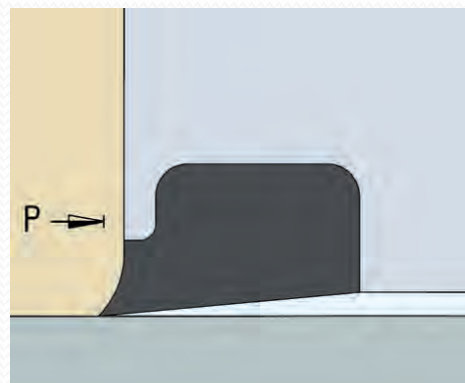
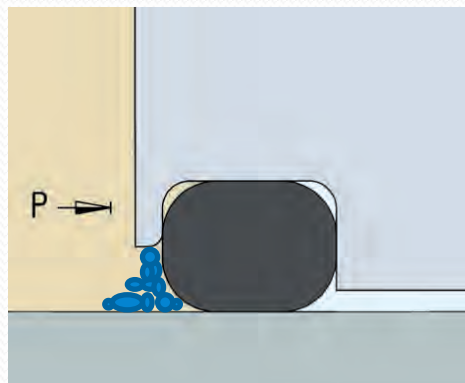
Modularità e personalizzazione

Tenuta serie ES adattata per Pompa a Lobi



Applitecno Service - Huhnseal - MCM 2012

Soluzioni per Food & Pharma



Applitecno Service - Huhnseal - MCM 2012

Vita prolungata in situazioni estreme

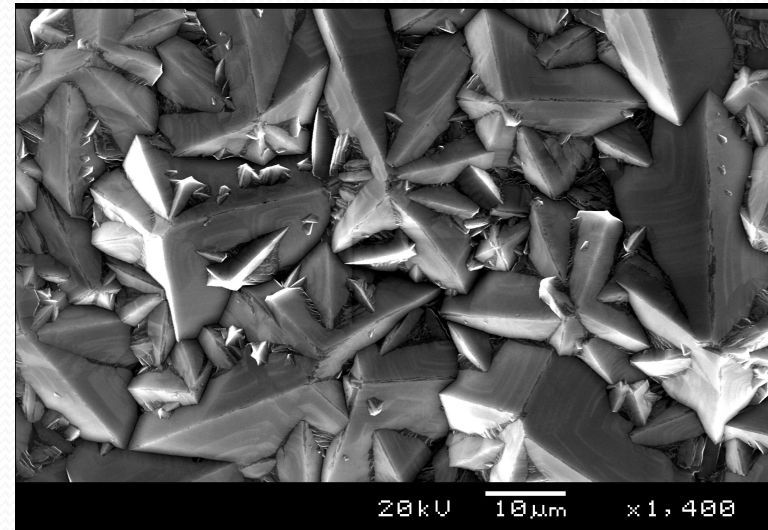
Crystalline Diamond Coating
da non confondere con DLC
Diamond Like Carbon

Estrema Durezza
8000 / 10000 Vickers

Abbassamento Coeff. Attrito
fino al 67%

Elevata conducibilità termica
2000 W/mK confrontata con il SiC - tipicamente 120 W/mK

Inerzia chimica pressoché totale (presenta problemi solo con alcuni
Sali Fusi oltre i 300°C)



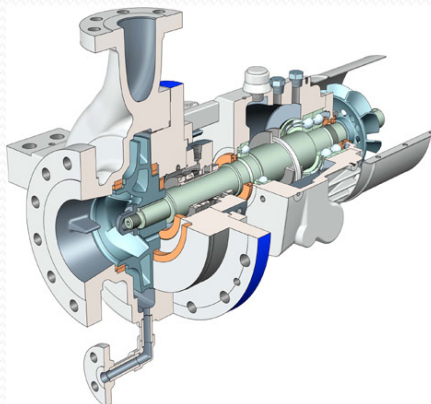
Applitecno Service - Huhnseal - MCM 2012

Serie E capostipite delle cartucce Huhnseal



Scanpump

- Industria cartaria
- Energia
- Industria chimica
- Trattamento acque



Sulzer

- Industria cartaria
- Energia
- Industria chimica
- Trattamento acque

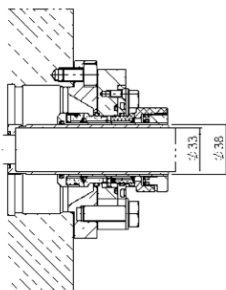


KSB

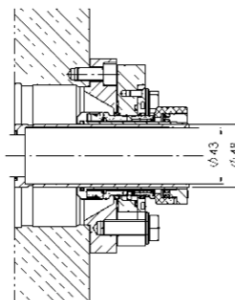
- Energia
- Industria chimica

Applitecno Service - Huhnseal - MCM 2012

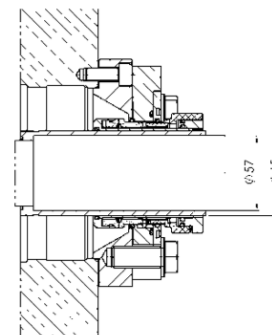
Serie E capostipite delle cartucce Huhnseal - SCANPUMP



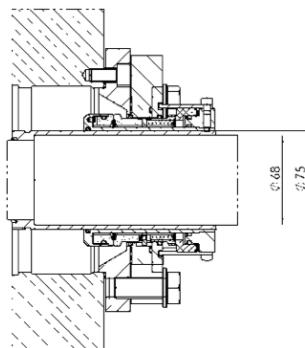
Bearing assembly 1



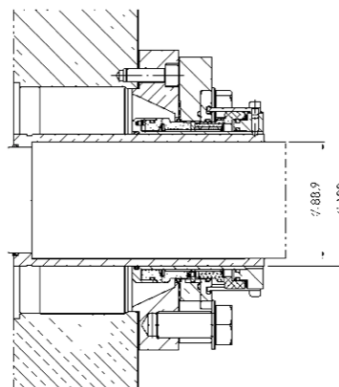
Bearing assembly 2



Bearing assembly 3



Bearing assembly 4

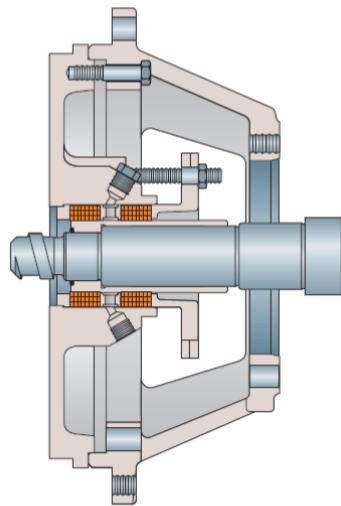
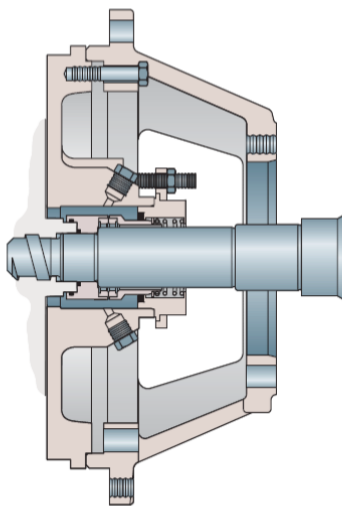
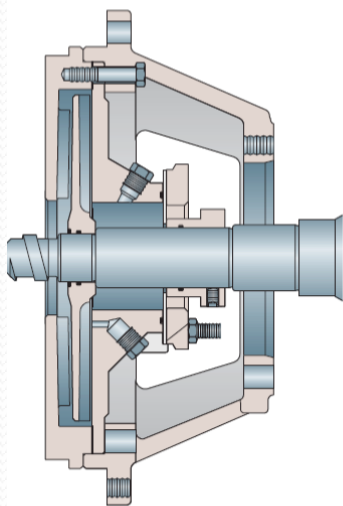
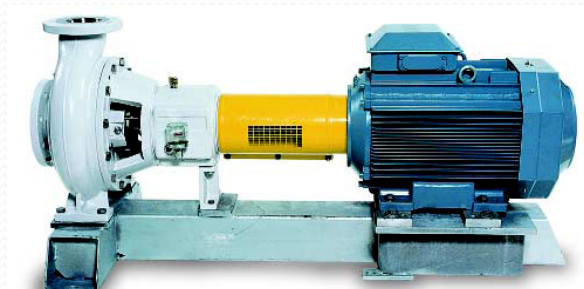


Bearing assembly 5

Bearing assembly	1	2	3	4	5
Mechanical seal	ES-38 ED-38	ES-48 ED-48	ES-65 ED-65	ES-75 ED-75	ES-100 ED-100
Adapter flange Article no. (Gasket included)	7490198	7490199	7490200	7490201	7490202
Shaft sleeve Article no. (Gasket included)	7490203	7490204	7490205	7490206	7490207
Assembly drawing no.	15022-90	15023-90	15024-90	15025-90	15026-90

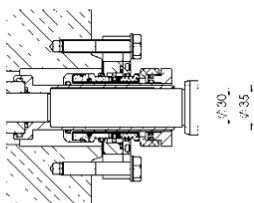
Applitecno Service - Huhnseal - MCM 2012

Serie E capostipite delle cartucce Huhnseal - SULZER

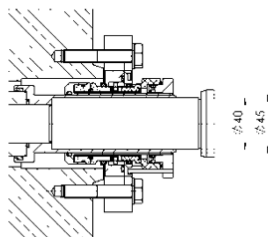


Applitecno Service - Huhnseal - MCM 2012

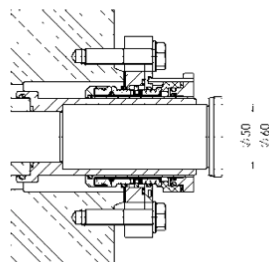
Serie E capostipite delle cartucce Huhnseal - SULZER



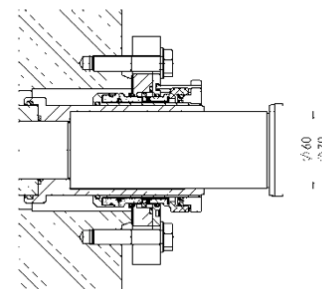
Bearing unit 1



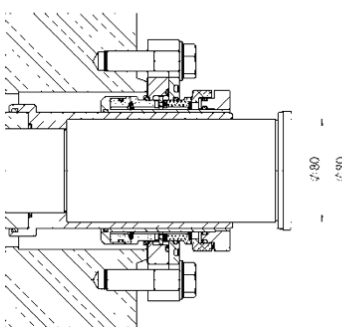
Bearing unit 2



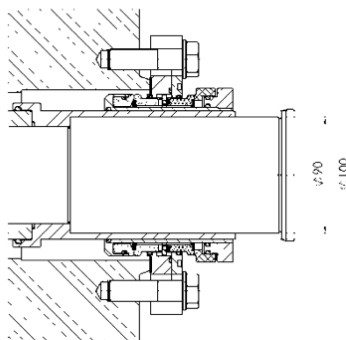
Bearing unit 3



Bearing unit 4



Bearing unit 5



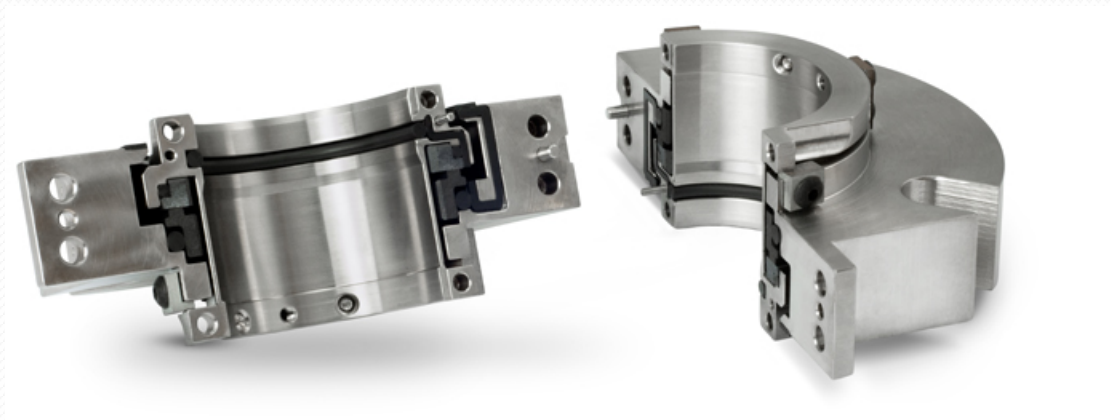
Bearing unit 6

Bearing unit	1	2	3	4	5	6
Mechanical seal	ES-35 ED-35	ES-45 ED-45	ES-60 ED-60	ES-70 ED-70	ES-90 ED-90	ES-100 ED-100
Shaft sleeve Article no. (Gasket and O-ring included)	7490208	7490209	7490210	7490211	7490212	7490213
Assembly drawing no.	15030-90	15031-90	15032-90	15033-90	15034-90	15035-90

Revision: 1
 Date: 2004-02-12
 Author: Applitecno
 Sign: [Signature]
 Check: [Signature]
 Approved: [Signature]
 Drawn: [Signature]
 Checked: [Signature]
 Approved: [Signature]

HUHNSSEAL
 BEARING UNIT
 1-6
 SULZER APP
 EJ 2008-05-18
 99 2008-03-10
 79
 P9158
 15029-S. 1

Disassemblaggi complessi - La FS Split



Disassemblaggi complessi - La FS Split



FS-180 tenuta split su pompa

www.huhnseal.com