

RIVESTIMENTI PROTETTIVI

CORROSION PROOF

LININGS



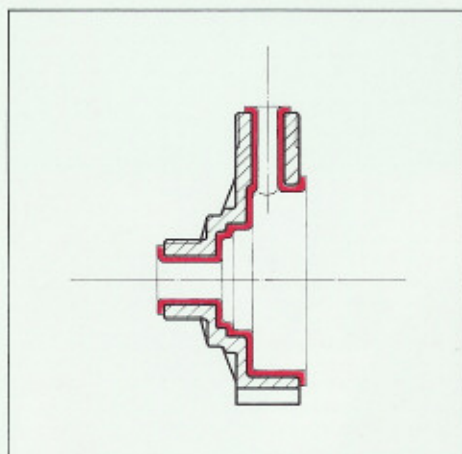
FLUORTEK

RIVESTIMENTI PROTETTIVI

CORROSION PROOF LININGS

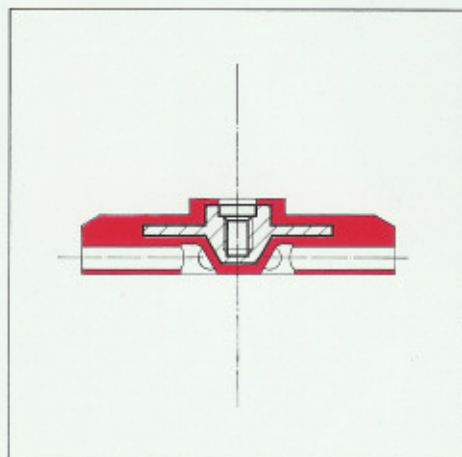
Corpo pompa rivestito
in PVDF

Body of pump lined
with PVDF



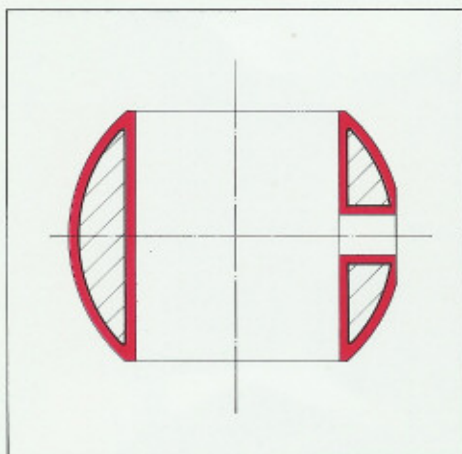
Girante pompa in PTFE
con anima d'acciaio

PTFE pump rotor
with metal core



Sfera per valvola
rivestita in Teflon®-PFA

Ball for valve lined
with Teflon®-PFA



Generalità

Le resine fluorurate PTFE, Teflon®-FEP, Teflon®-PFA, PVDF (Polifluoruro di vinilidene) e il PP (polipropilene) sono impiegate per rivestire, con tecnologie diverse, raccordi, valvole, pompe ecc. costruite in materiali non resistenti alla corrosione onde renderle idonee all'impiego in presenza di aggressivi chimici.

Introduction

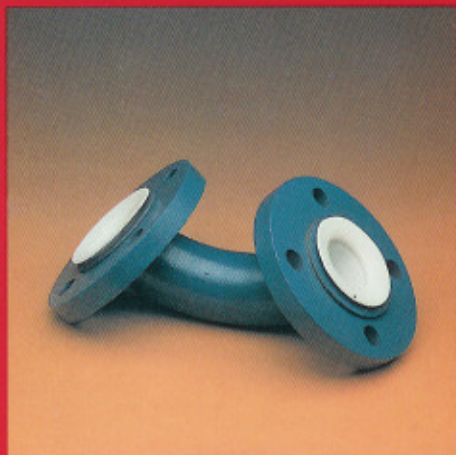
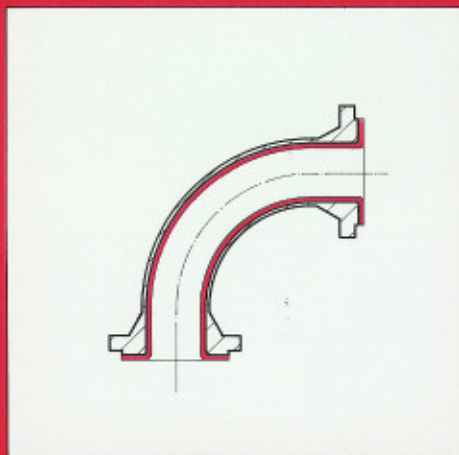
The fluorinated resins PTFE, Teflon®-FEP, Teflon®-PFA, PVDF (Polyvinylidene fluoride) and PP (Polypropylene) are used to line, with different technologies, fittings, valves, pumps etc. As these items are constructed from materials which are not corrosion-resistant to use them in the presence of chemical fluids it is necessary to line them.

RIVESTIMENTI PROTETTIVI

CORROSION PROOF LININGS

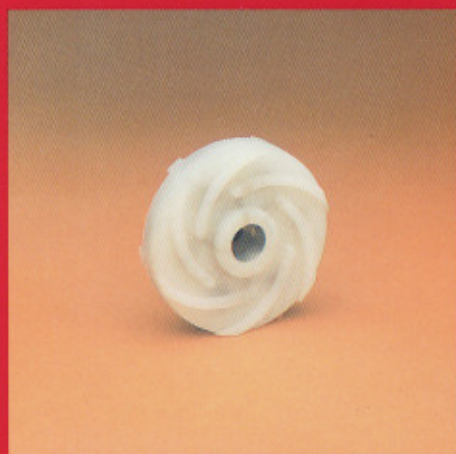
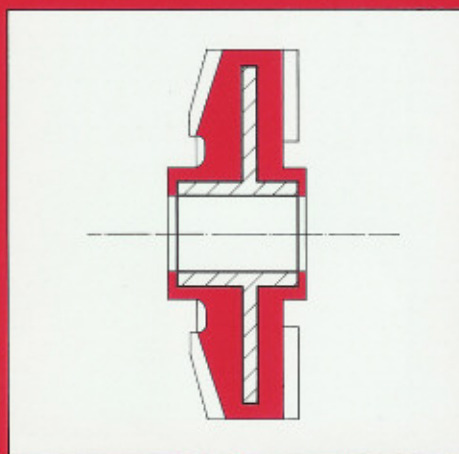
Raccordo con anima
in PTFE

PTFE lined fittings



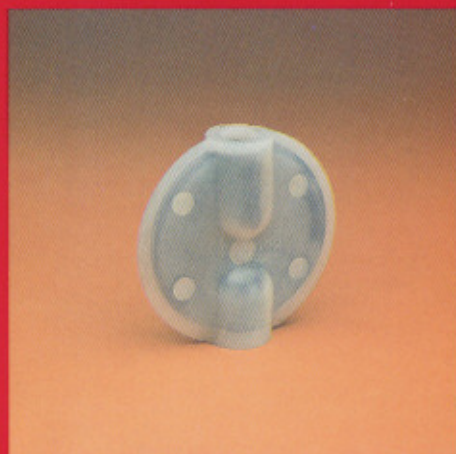
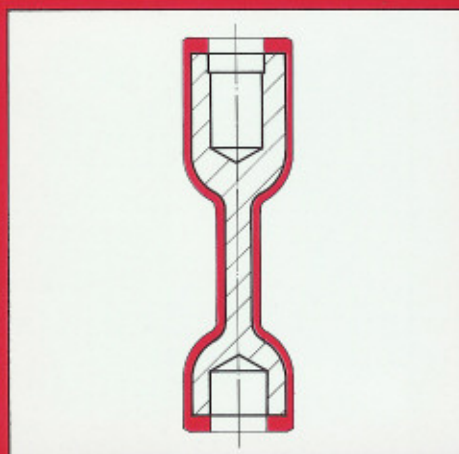
Girante in Teflon®-FEP
con anima metallica

Teflon®-FEP rotor
with metal core



Farfalla per valvola
in acciaio rivestita
in Teflon®-PFA

Butterfly for steel
valve lined
with Teflon®-PFA



Caratteristiche generali

PTFE, Teflon®-FEP, Teflon®-PFA, PVDF e PP presentano proprietà meccaniche diverse, differenti temperature limite di impiego e resistenza agli aggressivi chimici più o meno rimarcate.

È opportuno pertanto per l'utilizzatore affidarsi alla nostra esperienza per condurre in collaborazione una scelta precisa.

General characteristics

PTFE, Teflon®-FEP, Teflon®-PFA, PVDF and PP present different mechanical properties, different limit working temperatures with varying levels of chemical resistance.

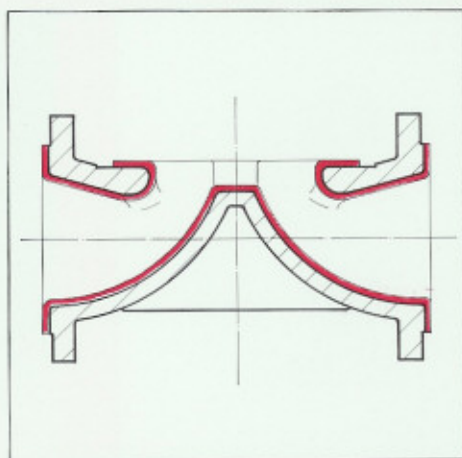
We therefore suggest that users should rely on our experience to collaborate in making a precise choice.

RIVESTIMENTI PROTETTIVI

CORROSION PROOF LININGS

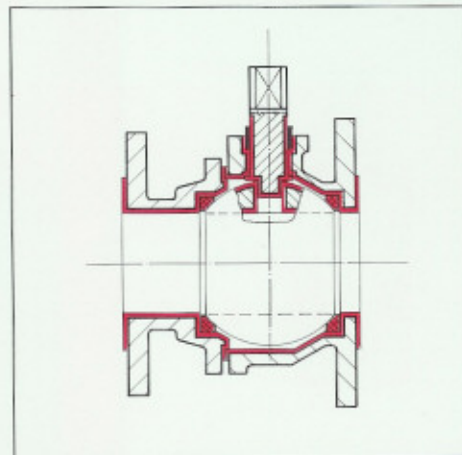
Corpo valvola a membrana
in ghisa
con rivestimento
in Teflon®-PFA

Cast iron diaphragm
valve body lined
with Teflon®-PFA



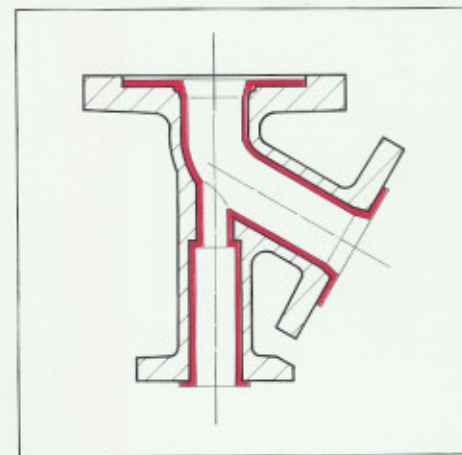
Valvola a sfera
rivestita
in Teflon®-FEP

Ball valve lined
with Teflon®-FEP



Valvola di fondo
con chiusura a otturatore
rivestita
in Teflon®-FEP

Base valve
with plug closure lined
with Teflon®-FEP



Temperature limite

Non considerando il fluido aggressivo in gioco, le temperature limite d'impiego per ciascuno dei materiali proposti sono:

- PTFE:	da - 200° C a + 250° C
- Teflon®-FEP:	da - 200° C a + 200° C
- Teflon®-PFA:	da - 200° C a + 250° C
- PVDF:	da - 40° C a + 150° C
- PP:	da - 10° C a + 100° C

Limit temperatures

If the chemical agent is not taken into consideration, the limit temperatures for each of the proposed materials are:

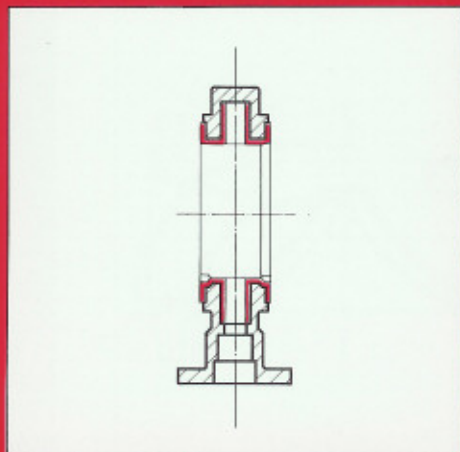
- PTFE:	from - 200° C to + 250° C
- Teflon®-FEP:	from - 200° C to + 200° C
- Teflon®-PFA:	from - 200° C to + 250° C
- PVDF:	from - 40° C to + 150° C
- PP:	from - 10° C to + 100° C

RIVESTIMENTI PROTETTIVI

CORROSION PROOF LININGS

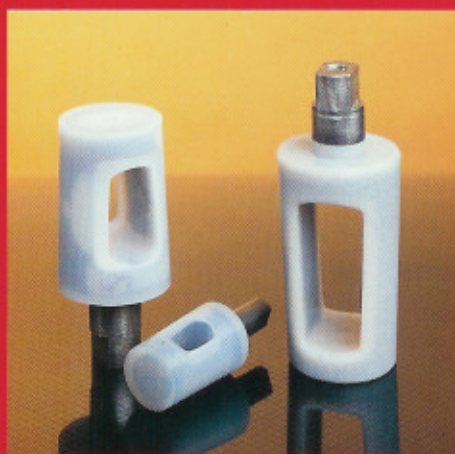
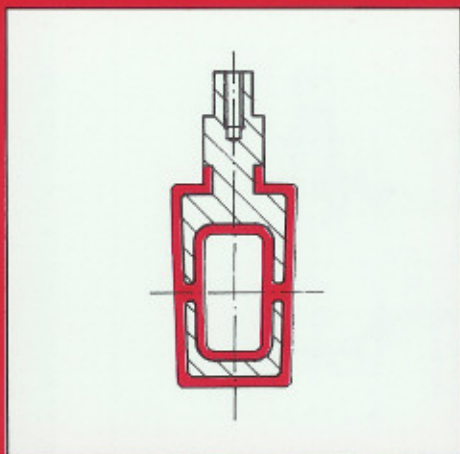
Corpo valvola a farfalla
con rivestimento
in Teflon®-PFA

Butterfly valve body lined
with Teflon®-PFA



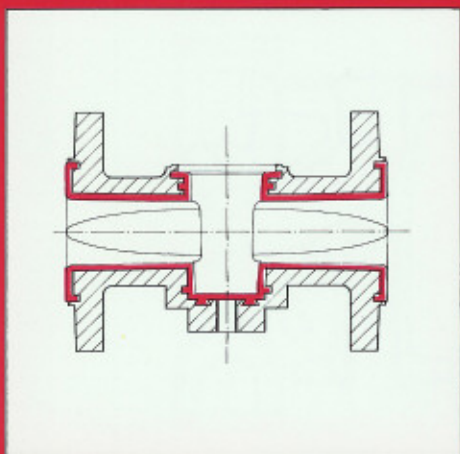
Maschio conico
con rivestimento
in Teflon®-PFA

Plug lined
with Teflon®-PFA



Corpo valvola
a maschio conico
rivestito
in Teflon®-PFA

Plug valve body lined
with Teflon®-PFA



Resistenza agli aggressivi

PTFE, Teflon®-FEP, Teflon®-PFA, PVDF e PP presentano, a temperatura ambiente, comportamenti più o meno simili nei confronti dei fluidi aggressivi. Il nostro ufficio tecnico e la letteratura specifica aiuteranno nella scelta che risulta anche fondamentale sotto l'aspetto economico. Controlli condotti con idonee apparecchiature ci consentono di verificare l'assoluta impermeabilità del rivestimento dopo lo stampaggio.

Resistance to corrosive fluids

At room temperature PTFE, Teflon®-FEP, Teflon®-PFA, PVDF and PP behave in different ways in the presence of corrosive fluids.

Our technical office and specific literature will help in the choice which is also essential for the economic aspect.

After moulding we are able to verify the absolute impermeability of the lining through controls conducted with qualified instruments.



FLUORTEN® non è solo il nome della nostra società fondata nel 1966, ma anche il marchio che contraddistingue prodotti di elevata qualità. Lo sviluppo della società ha preso l'avvio dai fluoropolimeri cui si aggiunse via via una gamma sempre più vasta di articoli tecnici in tecnopolimeri di elevata qualità. Tutto ciò ha comportato e comporta continui ed adeguati investimenti e l'inserimento di capaci tecnici. Abbiamo così costruito un complesso produttivo con impianti modernissimi di estrusione, stampaggio e lavorazione meccanica. Pertanto oggi siamo in grado di fornire ai nostri clienti, oltre che prodotti speciali e di elevata qualità, un servizio commerciale e tecnico adeguato ad ogni necessità. Lo sviluppo aziendale prosegue nel rispetto di due fondamentali principi: ammodernamento continuo e qualità sempre migliore.

FLUORTEN® is not just the name of our company, founded in 1966, but also the trademark of our high quality products. The company started with fluoropolymers and gradually expanded to an increasingly wide range of technical items in high quality technopolymers. This evolution continues to involve considerable investments and the appointment of highly qualified technical staff. We have built up a production plant with extremely modern extrusion, moulding and mechanical processing departments. Today we can offer our customers high quality special products together with a technical and commercial service to meet all requirements. Company development continues along two basic lines: constant modernization and continuously improved quality.



▲ LABORATORIO PROVE
LABORATORY

▼ REPARTO STAMPAGGIO PTFE
MOULDING DEPARTMENT



▲ REPARTO STAMPAGGIO TECNOPOLIMERI
INJECTION MOULDING

▼ REPARTO LAVORAZIONI MECCANICHE
MECHANICAL WORKING DEPARTMENT



SEDE - STABILIMENTO - DIREZIONE COMMERCIALE / FACTORY AND HEAD OFFICE

24060 CASTELLI CALEPIO (BG) Italy - Via Cercone, 34

Tel. +39 035 4425115 - Fax +39 035 848496

E-mail: fluorten@fluorten.com - <http://www.fluorten.com>