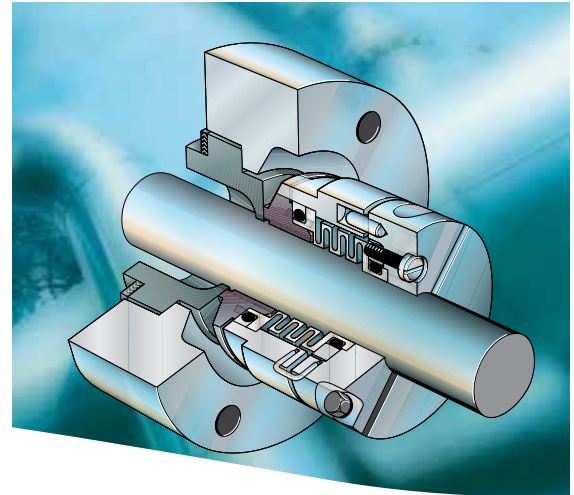


# Chemiepac Mechanical Seal for Corrosive Duties

Today, there are many corrosive mediums being pumped in chemical and pharmaceutical industries, metal and similar processes. For these types of services, pumps are lined internally with plastics, rubber or ceramic. The Chemiepac with PTFE bellows meets the sealing needs of these services.



## Standard Operating Parameters

Chemiepac	955	970
Shaft sizes:	18 - 100 mm	18 - 100 mm
Surface speed:	8 m/sec.	8 m/sec.
Temperature:	up to 100 °C	up to 125 °C
Pressure :	2 - 11 bar	2 - 13.5 bar

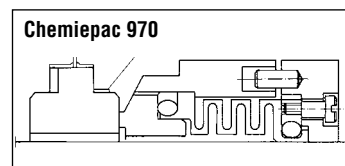
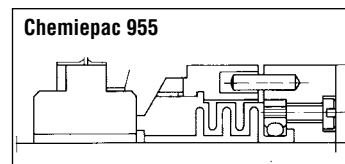
The pressure load is dependent upon the shaft size and the temperature.

## Standard Materials of Construction

Chemiepac	955	970
<b>Medium</b>	<b>corrosive</b>	<b>corrosive and containing light solid particles</b>
Rotating face:	PTFE	Silicon Carbide (replaceable)
Stationary face:	Al-Oxide	Silicon Carbide
Bellows:	PTFE	PTFE
Springs :	Alloy C	Alloy C
Spring plate:	PTFE	PTFE
Retainer:	316 TI Stainless Steel or Alloy C	316 TI Stainless Steel or Alloy C

## Features / Benefits

- Externally mounted single mechanical seal - no flange required
- PTFE bellows with integral sintered or separate rotating face
- Anti-slip attachment of the PTFE bellows to the pump shaft - no additional support ring required
- Metal-free components on the product side - corrosion resistance
- Installation mechanism - the Chemiepac is adapted to seal chamber dimensions
- Stationary face with adequate clearance around the shaft - eliminates clogging, good heat transfer
- Multiple spring design



Chemiepac 970 with replaceable rotating face for mediums containing light solid particles and/or crystallizing mediums

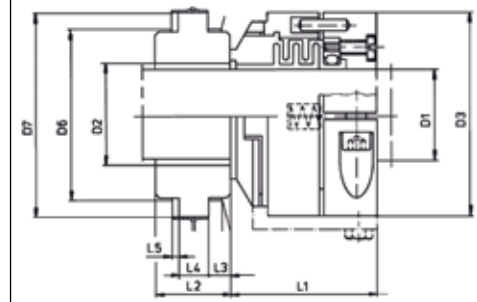
## Dimensional Data

### Chemiepac 955

p max. (bar) at t =

D1	D2	D3	D6	D7	L1	L2	L3	L4	L5	25°C	50°C	100°C
18	21	47	36.50	46	40	018	5	8	1	11	8.5	5.5
24	27	58	42.85	53	44	18	5	8	1	11	8.5	5.5
28	32	63	50.80	64	44	27	8	11	2	11	8.5	5.5
33	37	68	57.15	70	44	27	8	11	2	10	8	5
35	37	68	57.15	70	44	27	8	11	2	10	8	5
43	48	85	69.85	83	53	27	8	11	2	9	7	4
53	57.4	95	82.55	99	53	33.3	9.5	14.3	2	8	5.5	3.5
58	61	109	85.70	102	65	33.3	9.5	14.3	2	7	5	3
65	71	119	95.25	112	65	33.3	9.5	14.3	2	7	5	3
95	98.2	147	123.80	140	70	33.3	9.5	14.3	2	5	3.5	2
100	105	156	130.15	146	82	33.3	9.5	14.3	2	5	3.5	2

Chemiepac 955

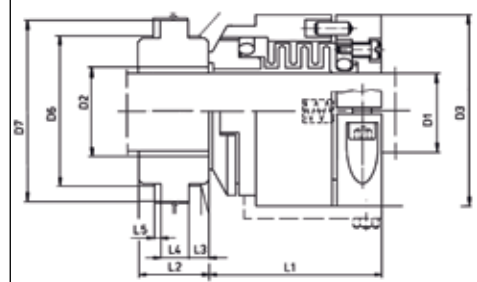


### Chemiepac 970

p max. (bar) at t =

D1	D2	D3	D6	D7	L1	L2	L3	L4	L5	25°C	50°C	100°C	125°C
18	21	47	36.50	46	45.5	18	5	8	1	13.5	11.5	6.5	4.5
24	27	58	42.85	53	49	18	5	8	1	13.5	11.5	6.5	4.5
28	32	63	50.80	64	49	27	8	11	2	13.5	11.5	6.5	4.5
33	37	68	57.15	70	49	27	8	11	2	13.5	11.5	6.5	4.5
35	37	68	57.15	70	49	27	8	11	2	13.5	11.5	6.5	4.5
43	48	85	69.85	83	62	27	8	11	2	12.5	10	5.5	3
53	57.4	95	82.55	99	62	33.3	9.5	14.3	2	11.5	9.5	4.5	3
58	61	109	85.70	102	72	33.3	9.5	14.3	2	10.5	8	4	2.5
65	71	119	95.25	112	72	33.3	9.5	14.3	2	10.5	8	4	2.5
95	98.2	147	123.80	140	74.5	33.3	9.5	14.3	2	6.5	5	2.5	2
100	105	156	130.15	146	89.5	33.5	9.5	14.3	2	6.5	5	2.5	2

Chemiepac 970



Dimensions for other shaft sizes or L1 or inch measures on request

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