

# TECNIUM<sup>®</sup>



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PLASTIC CENTRIFUGAL MOTOR PUMPS



PUMPS

TECNIUM, since 1957 optimizing industrial processes

# HORIZONTAL CHEMICAL PUMPS



## WITH MECHANICAL SEAL

Mechanical seal seating without strain upon plastic.

*Appui de la garniture mécanique sans aucun effort sur le plastique.*

Apoyo del cierre mecánico sin ningún esfuerzo sobre el plástico.

Mechanical seal cover prevents absolutely any corrosive dispersion.

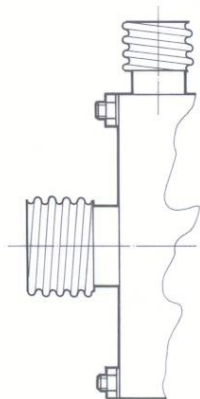
*Le couvercle garniture empêche absolument tout éparpillement corrosif.*

La cubierta cierre impide absolutamente cualquier dispersión corrosiva.

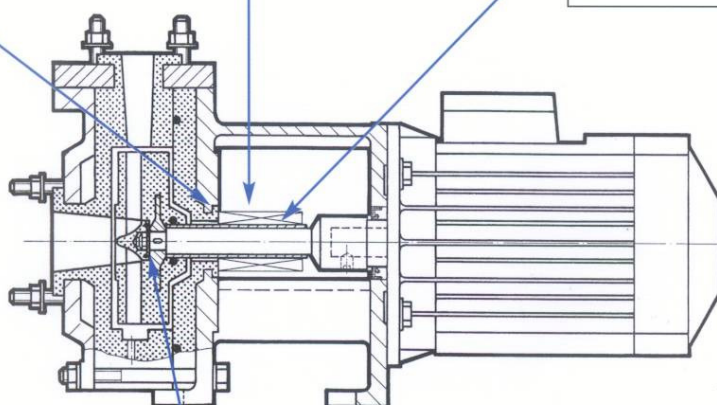
Removable shaft sleeve, independent from impeller.

*Chemise d'arbre démontable et indépendante de la turbine.*

Funda eje desmontable e independiente del rodete.



**BXC Model**



**BHC Model**



**Materials:**

PP	PVC
PE	E-CTFE
PVDF	PTFE

Transmission of the mechanical torque to the impeller by key and a great surface steel core.

*Transmission du couple moteur à la turbine par clavette et noyau d'acier à grande surface.*

Transmisión del par mecánico al rodete por claveta y núcleo de acero de gran superficie.

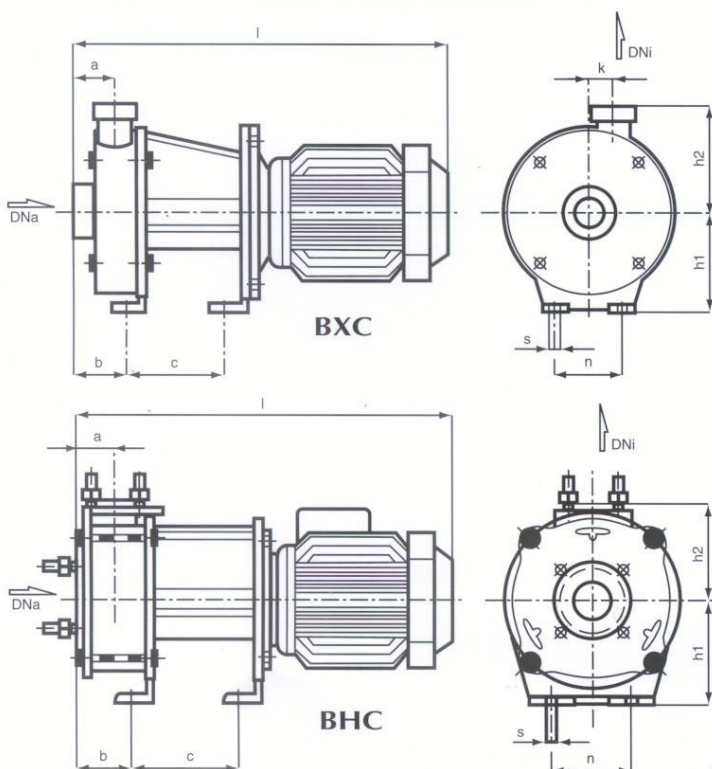
**CE**

In accordance with European directives of Safety on Machines.

*Conformité aux directives Européennes de Sécurité en Machines.*

Conforme a las directivas Europeas de Seguridad en Máquinas.

## DIMENSIONS (mm)



	TYPE	a	b	c	h1	h2	k	l	n	s	DNa	DNi	FLANGES
<b>BXC model</b>	2.10	70	104	130	120	125	30	495	90	14	32	25	DIN 405
	3.13	72	104	156	150	152	25	610	115	14	50	32	
<b>BHC model</b>	3.12	62	88	156	150	140	-	545	115	14	50	32	DIN 2501 PN-16 ANSI B 16.5 150 Lbs*
	3.16	80	106	156	150	160	-	615	165	14	50	32	
	4.12	80	106	156	150	140	-	615	345	14	65	40	
	4.16	80	80	362	177	160	-	720	345	14	65	40	
	4.20	100	100	362	205	180	-	740	345	14	65	40	
	5.12	100	100	362	177	160	-	740	345	14	80	50	
	5.16	100	100	400	205	180	-	875	345	14	80	50	
	5.20	100	100	400	205	200	-	920	345	14	80	50	
	6.16	100	173	325	160	200	-	920	212	14	100	65	
	8.20	125	173	363	180	250	-	1005	280	14	125	80	

\*Available on request

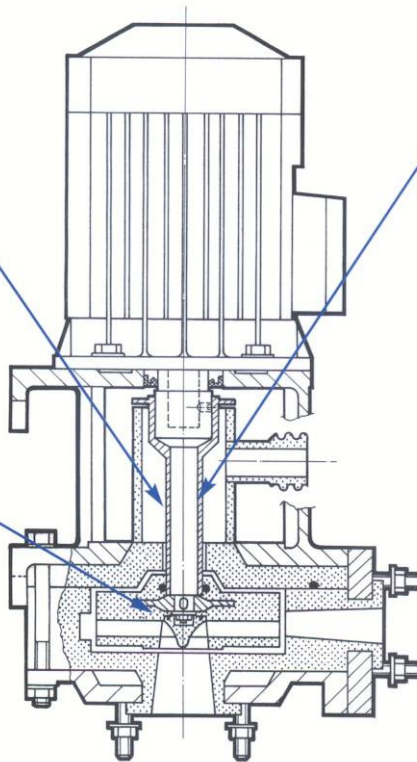


## NO MECHANICAL SEAL

Without mechanical seal.  
Hydrodynamic sealing.  
*Sans garniture mécanique.*  
*Etanchéité par le fluid.*  
Sin cierre mecánico.  
Estanqueidad fluidica.

Great surface steel core.  
*Noyau d'acier à grande surface.*  
Núcleo de acero de gran superficie.

**BHS Model**



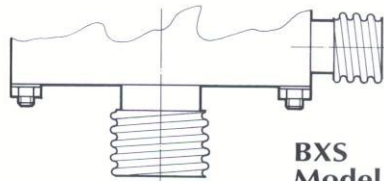
Removable shaft sleeve.  
*Chemise d'arbre démontable.*  
Funda eje desmontable.



Quality system according to ISO standards.

*Système de qualité selon normes ISO.*

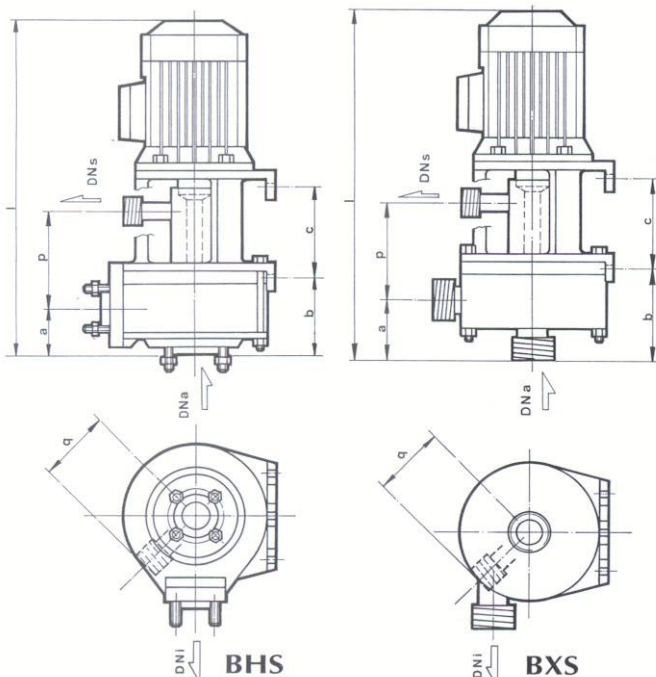
Sistema de calidad según normas ISO.



**BXS Model**

In solid plastic  
*En plastique massif*  
En plástico macizo

## DIMENSIONS (mm)

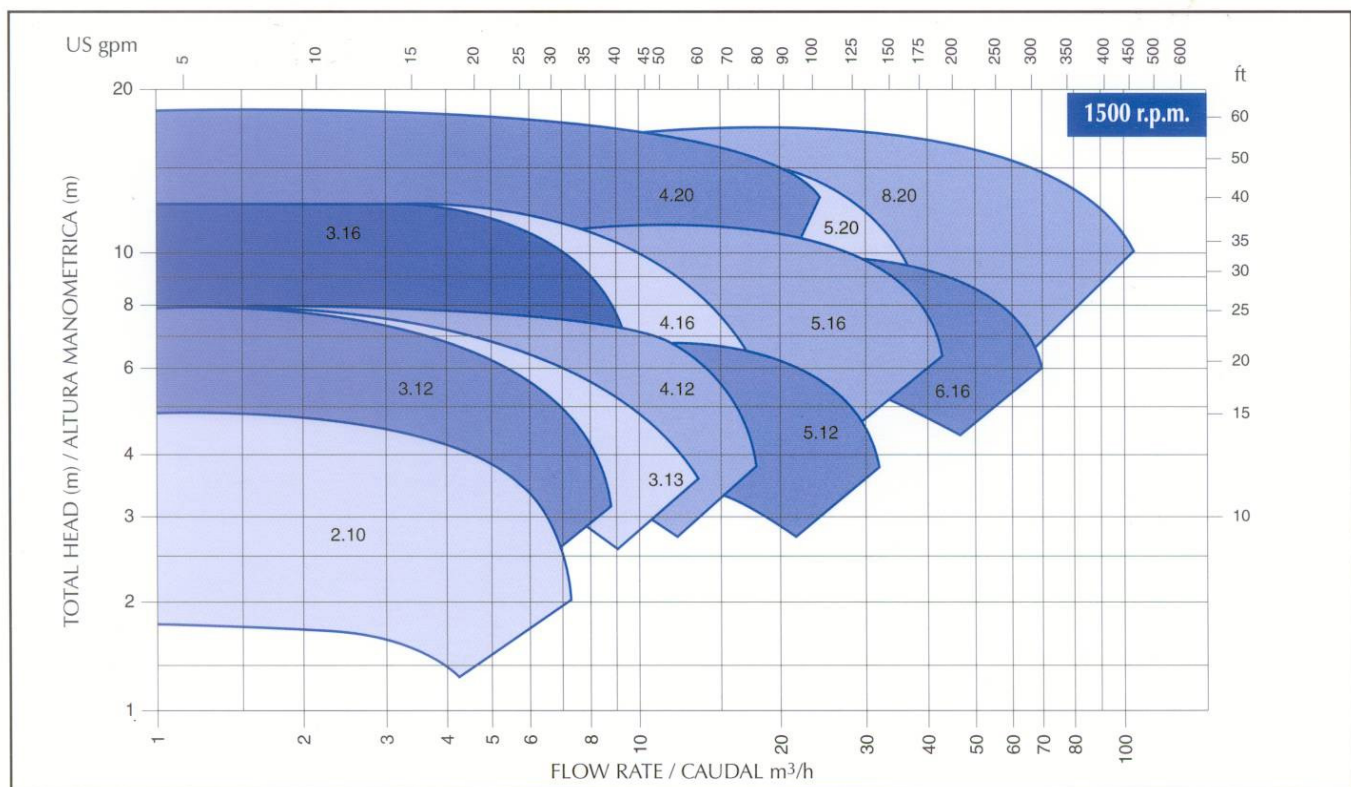
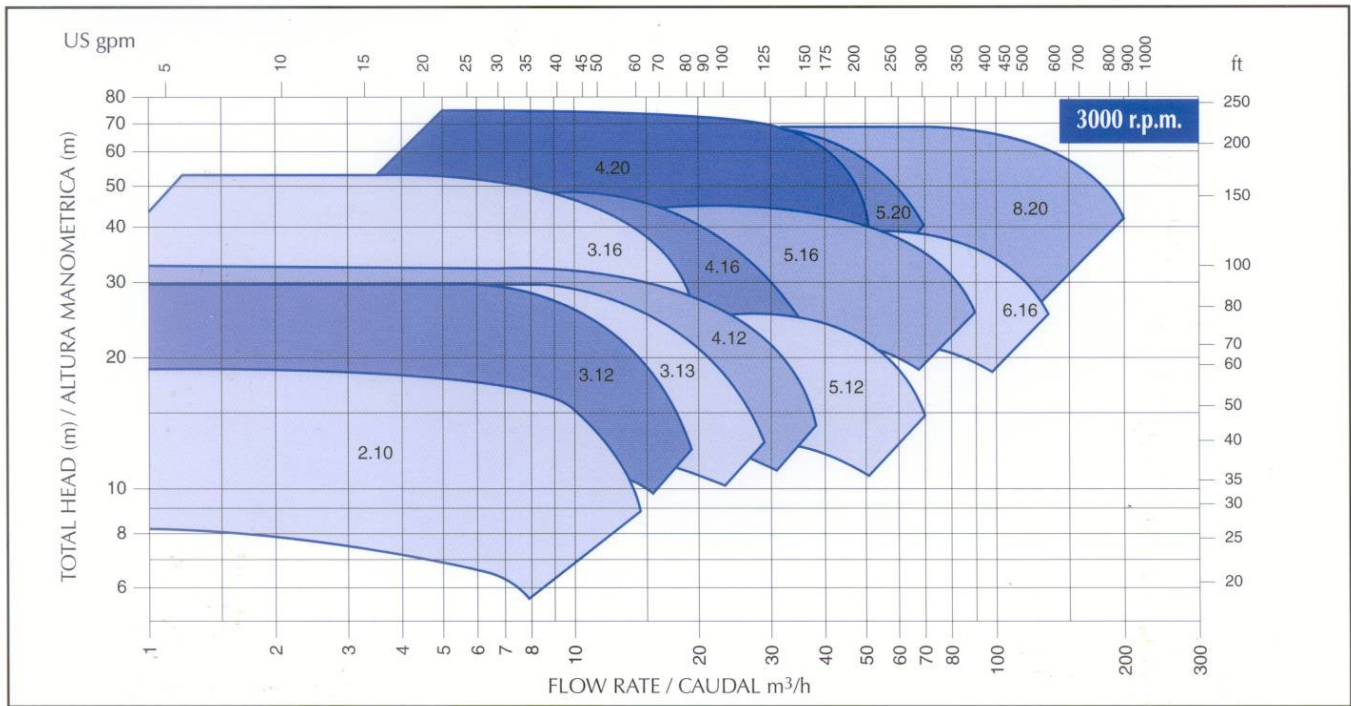


Dimensions (in mm):

	TYPE	a	b	c	h1	h2	k	l	n	p	q	s	DNa	DNi	DNs	FLANGES
<b>BXS model</b>	2.10	70	104	130	120	125	30	495	90	130	77	14	32	25	25	DIN 405
	3.12	62	88	156	150	140	-	545	115	135	85	14	50	32	32	DIN 2501 PN-16
	3.16	80	106	156	150	160	-	615	165	140	85	15	50	32	32	
<b>BHS model</b>	4.12	80	106	156	150	140	-	615	-	135	85	15	65	40	32	ANSI B 16.5 150 Lbs*
	5.12	100	100	362	177	160	-	740	345	160	104	15	80	50	40	
	5.16	100	100	400	205	180	-	875	345	200	104	15	80	50	40	

\*Available on request

# 50 Hz PUMP SELECTION CHART



## MECHANICAL SEALS

Our mechanical seals are selected to respond the corrosion and abrasion requirements. The seal systems more used are:

- SF:** simple external seal with bellow.
- DE:** double external seal.
- IP:** internal seal with silicon carbide (SiC)
- IF:** internal seal, PTFE bellow stator.

## GARNITURES MÉCANIQUES

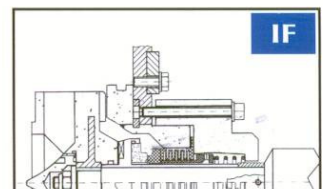
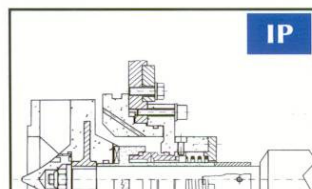
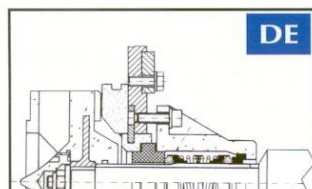
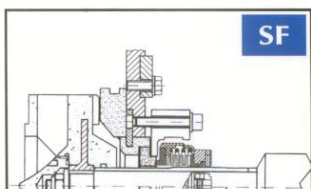
Nos garnitures mécaniques sont sélectionnées pour répondre aux exigences de corrosion et d'abrasivité. Les systèmes les plus utilisés sont:

- SF:** garniture extérieure simple à soufflet.
- DE:** garniture extérieure double.
- IP:** garniture interne en carbure de silice (SiC).
- IF:** garniture interne, soufflet en PTFE.

## CIERRES MECÁNICAS

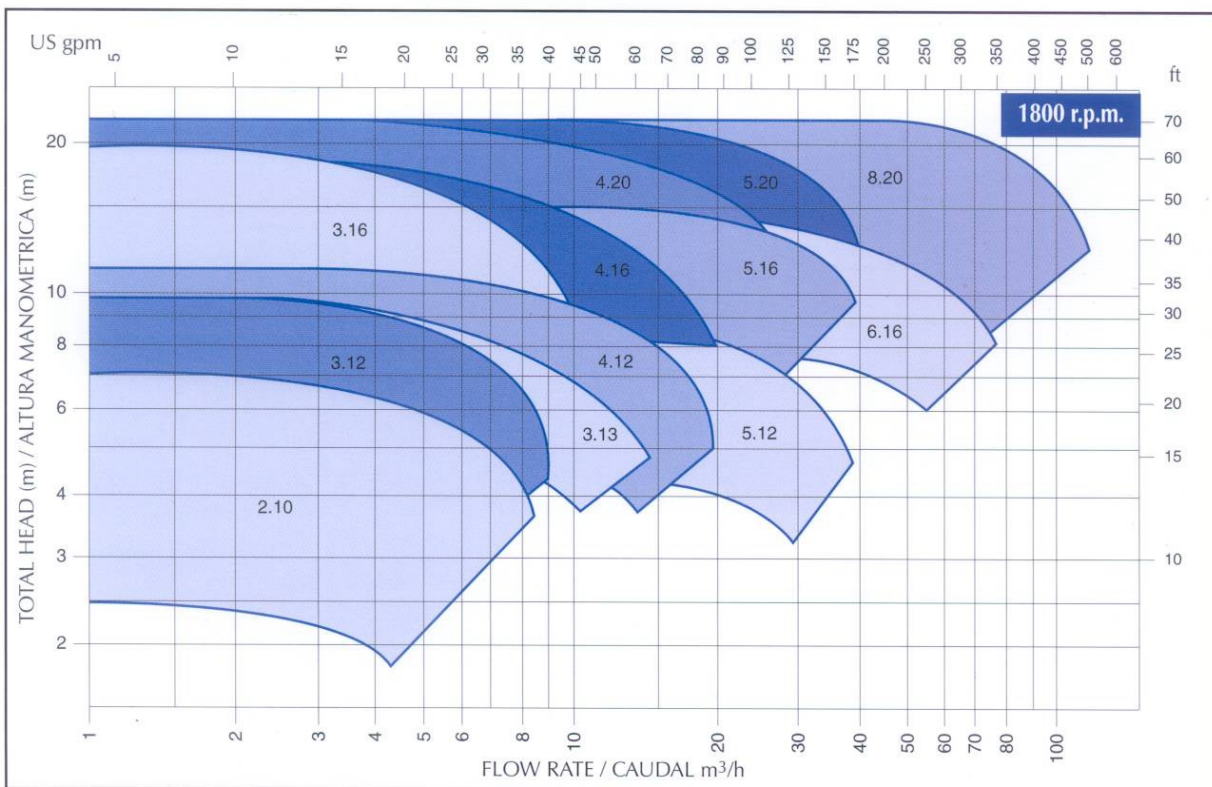
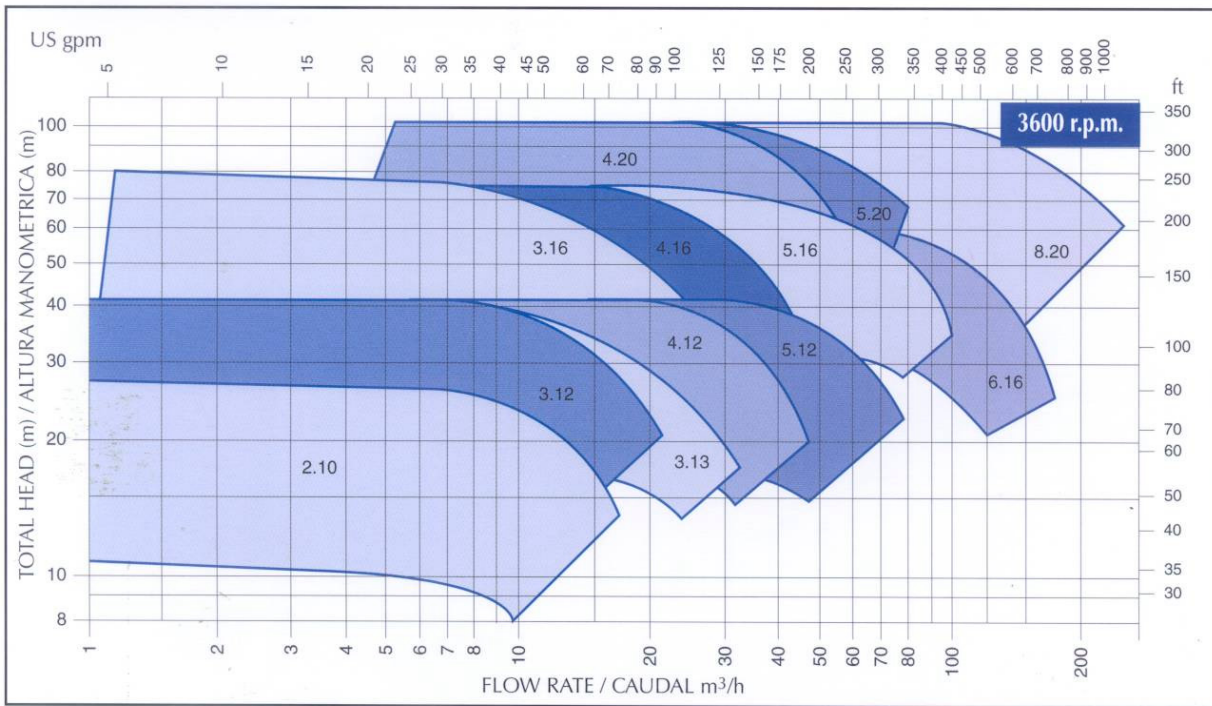
Nuestros cierres mecánicos son seleccionados para responder a las exigencias de corrosión y abrasión. Los sistemas más utilizados son:

- SF:** cierre exterior simple con fuelle.
- DE:** cierre exterior doble.
- IP:** cierre interior en carburo de silicio (SiC).
- IF:** cierre interior, fuelle en PTFE.





# 60 Hz PUMP SELECTION CHART



## NOMENCLATURE

Consist of a letter group followed by a figures group, its meaning is:

- 1<sup>st</sup> and 2<sup>nd</sup> letter:** = Series
- 3<sup>th</sup> letter:** C = Horizontal pump  
S = Vertical pump
- 4<sup>th</sup> and 5<sup>th</sup> letters:** Explain the MATERIALS of casing, impeller and shaft sleeve.

## NOMENCLATURE

Comprend un groupe de lettres suivi d'un groupe de chiffres, dont le sens est:

- 1<sup>ère</sup> et 2<sup>ème</sup> lettres:** = Série
- 3<sup>ème</sup> lettre:** C = Pompe horizontale  
S = Pompe verticale
- 4<sup>ème</sup> et 5<sup>ème</sup> lettres:** Dénominent les MATERIAUX du corps, turbine et chemise d'arbre.

## NOMENCLATURA

Consta de un grupo de letras seguido de un grupo de cifras, cuyo significado es:

- 1<sup>a</sup> y 2<sup>a</sup> letra:** = Serie
- 3<sup>a</sup> letra:** C = Bomba horizontal  
S = Bomba vertical
- 4<sup>a</sup> y 5<sup>a</sup> letra:** Denominan los MATERIALES del difusor, rodete y funda del eje.

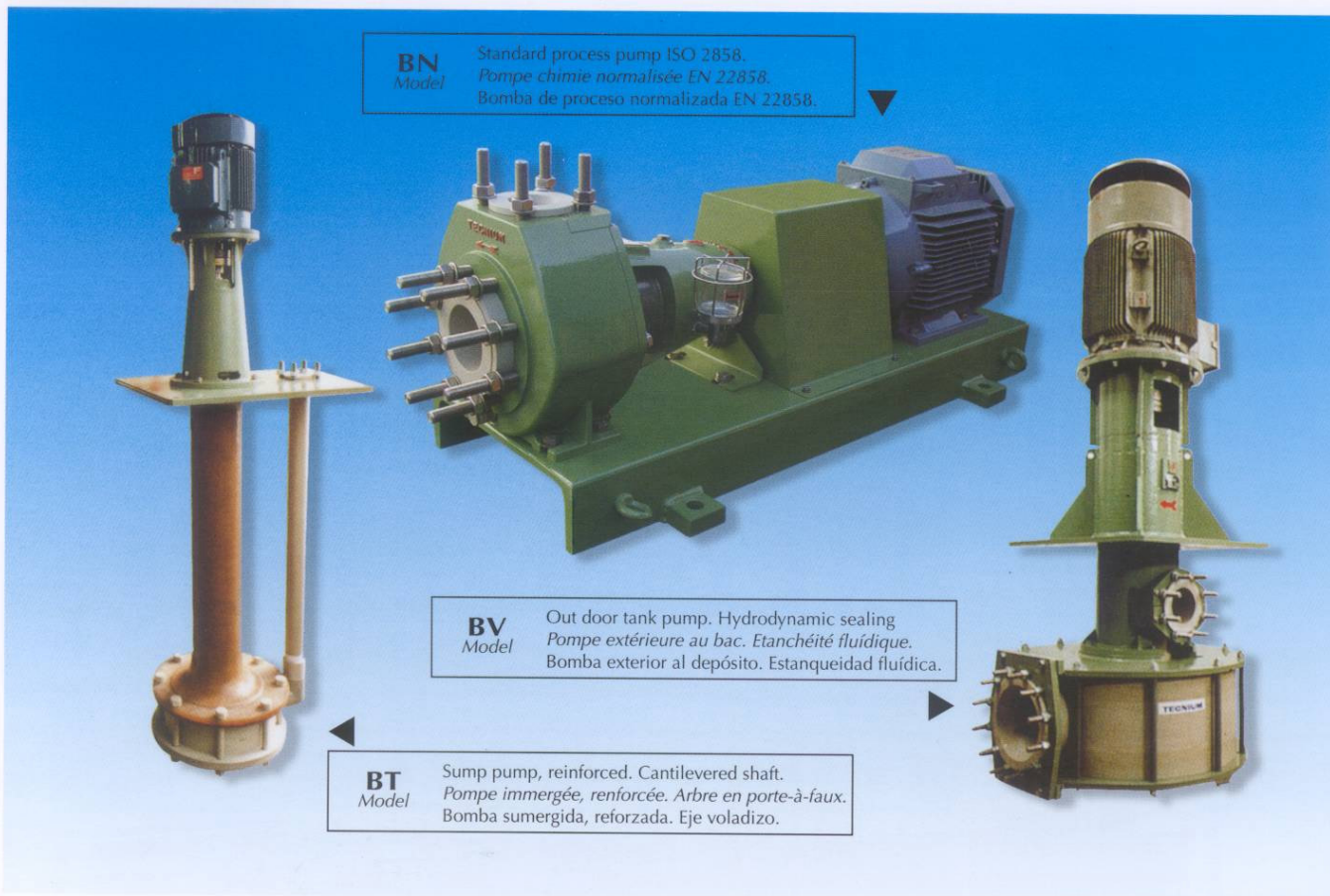
**Materials Key:** K = PP / L = PVDF / R = PE / V = PVC / E = PTFE / Y = E-CTFE

**Figures group:** Designate the pump TYPE.

**Chiffres:** Indiquent le TYPE de pompe.

**Cifras:** Indican el TIPO de bomba.





In accordance with European directives of Safety on Machines 98/37/CE  
*Conformité aux directives Européennes de Sécurité en Machines 98/37/CE*  
Conforme a las directivas Europeas de Seguridad en Máquinas 98/37/CE

**QUALITY SYSTEM**

Quality system according to ISO 9001-2000  
*Système de qualité selon normes ISO 9001-2000*  
Sistema de calidad según normas ISO 9001-2000

**ATEX**

Available versions according to directive 94/9/CE for equipments installed in  
ex-proof zones classified  
*Disponibles versions selon directive 94/9/CE pour les équipements installés dans*  
*zones á risque classée*  
Disponible versión según directiva 94/9/CE para equipos instalados en  
áreas clasificadas

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