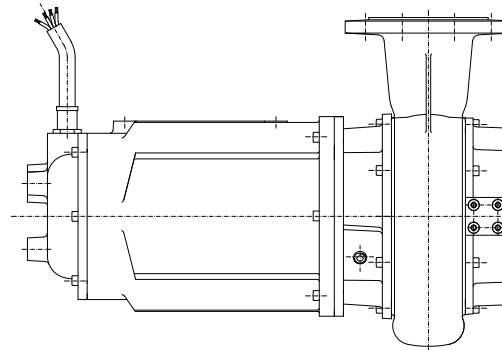


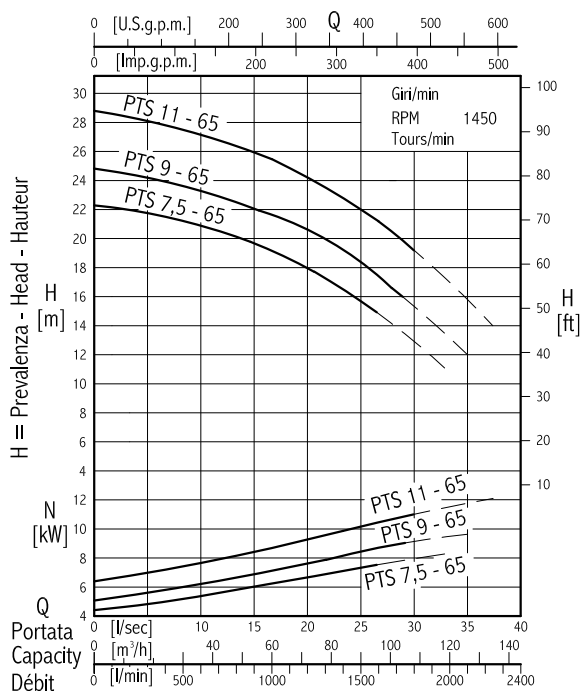


PTS 22/25/30-200

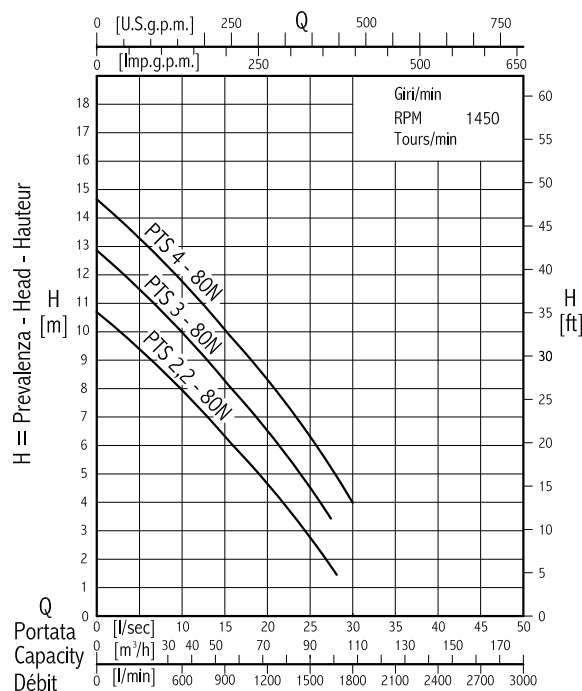
[illegible]

DIAGRAMMI - CURVES - COURBES

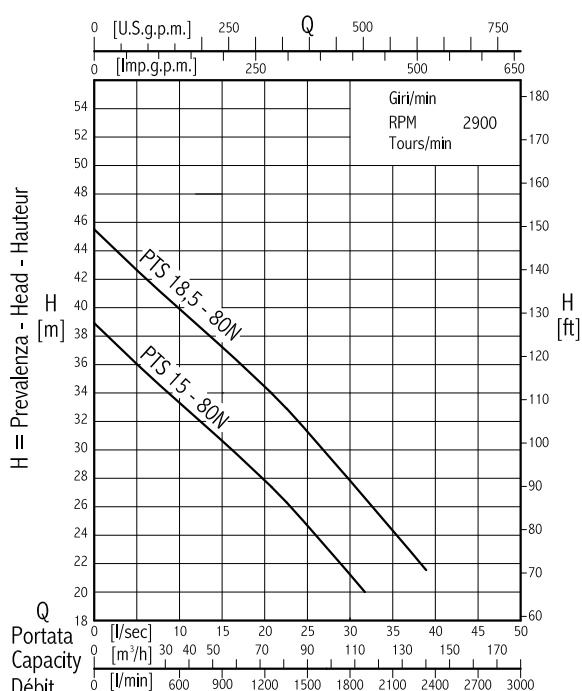
"PTS.. 65" - "PTSex.. 65"



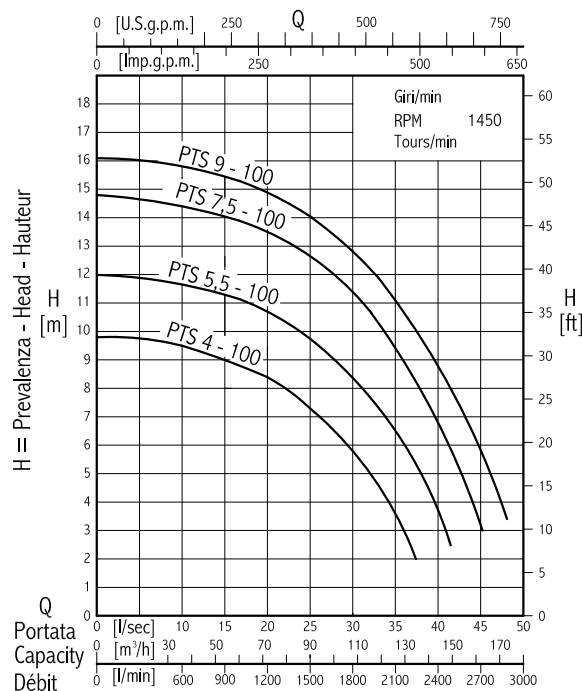
"PTS.. 80" - "PTSex.. 80" - "PTS.. 80N" - "PTSex.. 80N"



"PTS.. 80" - "PTSex.. 80" - "PTS.. 80N" - "PTSex.. 80N"



"PTS.. 100" - "PTSex.. 100"



Potenza assorbita [kW]
N = Absorbed power [kW]
Puissance absorbée [kW]

Curve per liquidi aventi densità 1 mm²/s - alla temperatura di 20° C.
Curves tested on liquid density 1 mm²/s - temperature 20° C.
Courbes établies pour liquides densité 1 mm²/s - température 20° C.

CARATTERISTICHE STANDARD

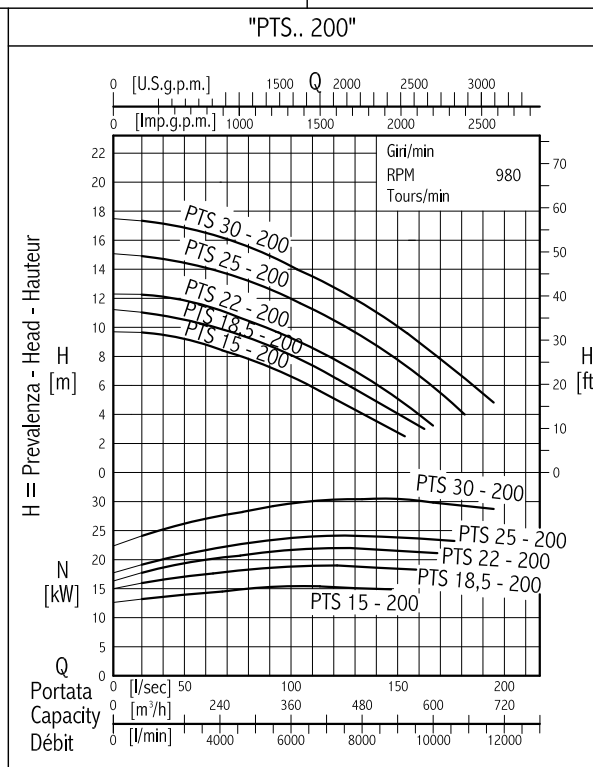
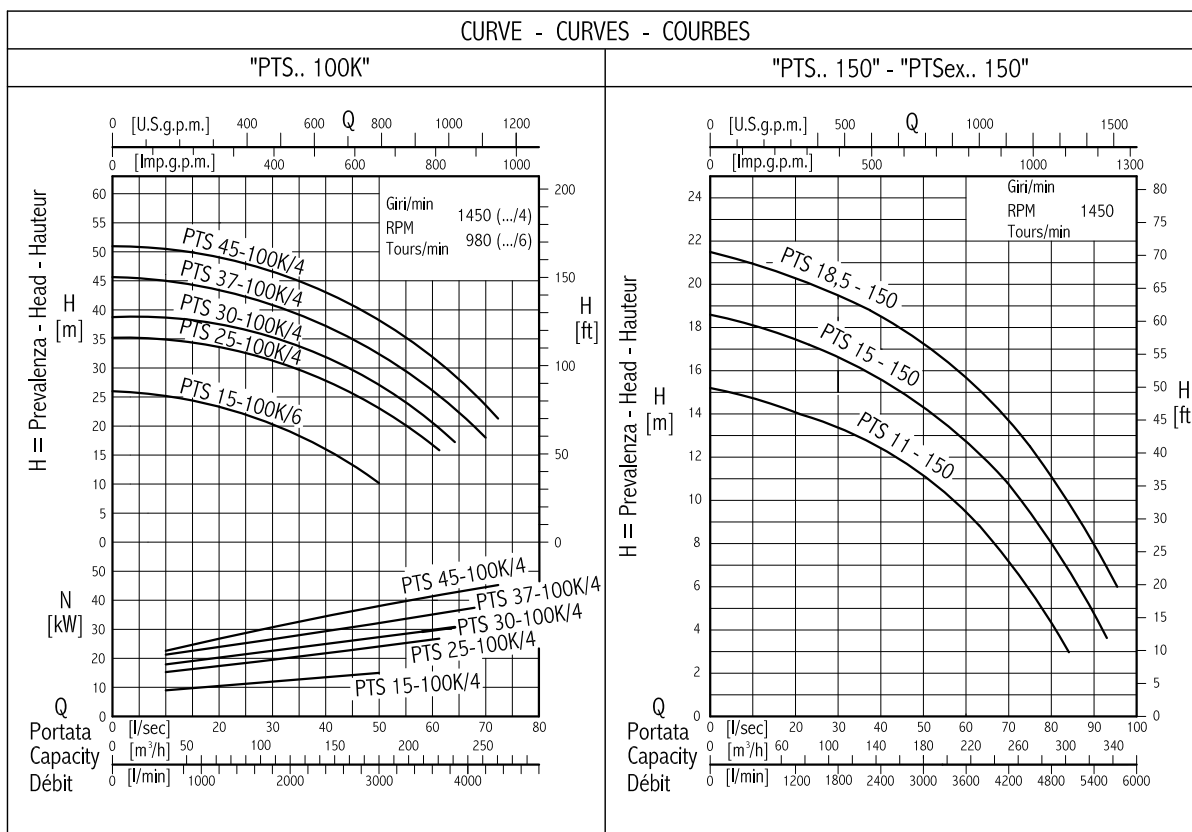
Motori elettrici asincroni trifase con rotore a gabbia di scoiattolo.
N°2 sonde termiche inserite nell'avvolgimento statorico.
Grado di protezione "IP 68".
Isolamento classe "F".
Max profondità immersione 20 m.
Max contenuto sostanze solide in sospensione 12%, esclusi i modelli PTS 65 e 100K, a contenuto max 8%.
Cavo sommergibile in neoprene H07-RN-F.
pH liquido 5 ÷ 12.
Max temperatura del liquido pompato 40°C.
Servizio continuo.

STANDARD FEATURES

Asynchronous three phase electric motors with squirrel cage rotor.
N.2 thermic probes installed in the stator winding.
Protection "IP 68".
"F" class insulation.
Max submergence depth: 20 m.
Max solid content in the liquid: 12%, PTS 65 and 100K excluded, max solid content 8%.
Submersible H07-RN-F neoprene cable.
Liquids pH 5 - 12.
Max temperature of pumped liquid: 40°C.
Continuous service.

CARACTERISTIQUES STANDARD

Moteurs électriques asynchrones triphasés, rotor à cage d'écureuil.
N°2 sondes thermiques incorporées dans l'enroulement du stator.
Degré de protection "IP 68".
Isolement classe "F".
Max profondeur d'immersion 20 m.
Max contenu de substances solides en suspension 12%, modèles PTS 65 et 100K exdu, max contenu 8%.
Max pH du liquide 5 ÷ 12.
Câble immergé en néoprène H07-RN-F.
Max température du liquide pompé 40°C.
Service continu.



Curve per liquidi aventi densità 1- viscosità 1 mm²/s - alla temperatura di 20° C.
 Curves tested on liquid density 1- viscosity 1 mm²/s - temperature 20° C.
 Courbes établies pour liquides densité 1- viscosité 1 mm²/s - température 20° C.

Potenza assorbita [kW]
 N = Absorbed power [kW]
 Puissance absorbée [kW]

CARATTERISTICHE OPZIONALI

Le pompe sommergibili serie PTS-65/80/80N/100/150 possono essere fornite a richiesta di uno speciale rivestimento anticorrosione al Nichel su tutta la superficie della pompa a contatto con liquidi aventi pH particolarmente aggressivo (suffisso "NC") o parzialmente sulla sola parte tritratrice (suffisso "NP").

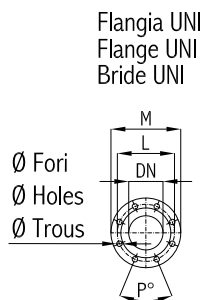
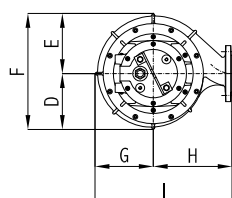
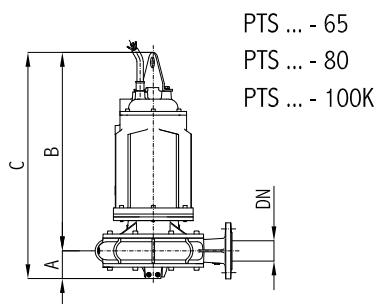
OPTIONAL FEATURES

Submersible pumps PTS-65/80/80N/100/150 series can be equipped, on demand, with a special chemical Nickel coating that protects the surface in contact with aggressive liquids. This treatment can be applied on the complete pump ("NT" version), or only on the cutting system ("NP" version).

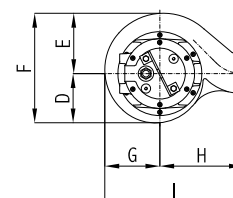
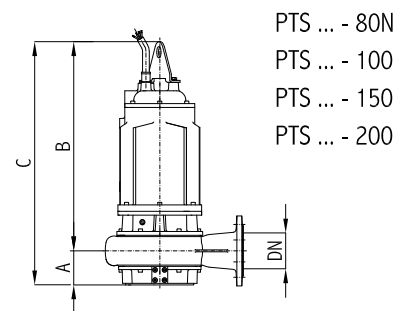
OPTIONS

Les pompes série PTS-65/80/80N/100/150 sont disponibles, sur demande, avec un revêtement chimique spécial en Nickel résistant à la corrosion provoquée par les liquides agressifs. On peut appliquer le revêtement sur toute la pompe (version «NT»), ou seulement sur la partie dilacératrice ("NP" version).

CARATTERISTICHE MOTORI TRIFASE - 50 Hz- 400 V ±10% 50 Hz - THREE-PHASE- MOTOR FEATURES - 400 V ±10% CARACTERISTIQUES DES MOTEURS TRIPHASES - 50 Hz- 400 V ±10%															
Elettropompa tipo Electric pump type Electropompe type	Potenza motore Motor rating Pissance moteur	Avvolgimenti Windings Bobinages	Assorbimento Absorption Intensité	Giri/min RPM T/min	CAVO ALIMENTAZIONE - FEEDING CABLE - CABLE D'ALIMENTATION			AVVIAMENTO							
	[kW]	[V]	[A (400V)]	n	N°cavi N°cables N° câbles	N° conduttori cavo x sezione N° of wires x size N° conducteurs câble à section	Lunghezza cavo Cable length Longueur câble	Diretto Direct Direct	△-△						
PTS 7,5 - 65	7,5	400-690	15,8	1440	1	9 x 2,5	10	△	△-△						
PTSex 7,5 - 65															
PTS 9 - 65			19	1440				△	△-△						
PTSex 9 - 65	11		23,5	1450		9 x 4		△	△-△						
PTS 11 - 65															
PTSex 11 - 65								△	△-△						
PTS 2,2 - 80	2,2	230-400	5,3	1420		9 x 1,5		△	△-△						
PTS 2,2 - 80N															
PTSex 2,2 - 80															
PTSex 2,2 - 80N	3		6,4	1420											
PTS 3 - 80										△	△-△				
PTS 3 - 80N															
PTSex 3 - 80	4		9,1	1405						9 x 1,5		△	△-△		
PTSex 3 - 80N															
PTS 4 - 80												△	△-△		
PTS 4 - 80N	15		31,2	2920		9 x 4		△	△-△						
PTSex 4 - 80															
PTSex 4 - 80N															
PTS 15 - 80	18,5	400-690	36,5	2930		9 x 1,5		△	△-△						
PTS 15 - 80N															
PTSex 15 - 80															
PTSex 15 - 80N	4		9,1	1405		9 x 2,5		△	△-△						
PTS 18,5 - 80															
PTS 18,5 - 80N															
PTSex 18,5 - 80	5,5		12,5	1430		9 x 4		△	△-△						
PTSex 18,5 - 80N															
PTS 4 - 100										△	△-△				
PTSex 4 - 100	7,5		15,8	1440		(7 x 10) + (3 x 1,5)		△	△-△						
PTS 5,5 - 100															
PTSex 5,5 - 100															
PTS 7,5 - 100	9		19	1440		5 x 16		△	△-△						
PTSex 7,5 - 100															
PTS 9 - 100															
PTSex 9 - 100	15		30	975	2	9 x 4		△	△-△						
PTS 15 - 100K			47	1465						△	△-△				
PTS 25 - 100K			56	1465						△	△-△				
PTS 30 - 100K	37		68	1475		9 x 16		△	△-△						
PTS 37 - 100K			82	1475						△	△-△				
PTS 45 - 100K															
PTS 11 - 150	11		23,5	1450		9 x 4		△	△-△						
PTSex 11 - 150															
PTS 15 - 150			30	1450						△	△-△				
PTSex 15 - 150	18,5		36	1465		(7 x 10) + (3 x 1,5)		△	△-△						
PTS 18,5 - 150															
PTSex 18,5 - 150															
PTS 15 - 200	15			30	975	1		9 x 4		△	△-△				
PTS 18,5 - 200	18,5			38	975							△	△-△		
PTS 22 - 200	22			43	980							△	△-△		
PTS 25 - 200	25			48	980			△	△-△						
PTS 30 - 200	30			58	980			△	△-△						
								△	△-△						

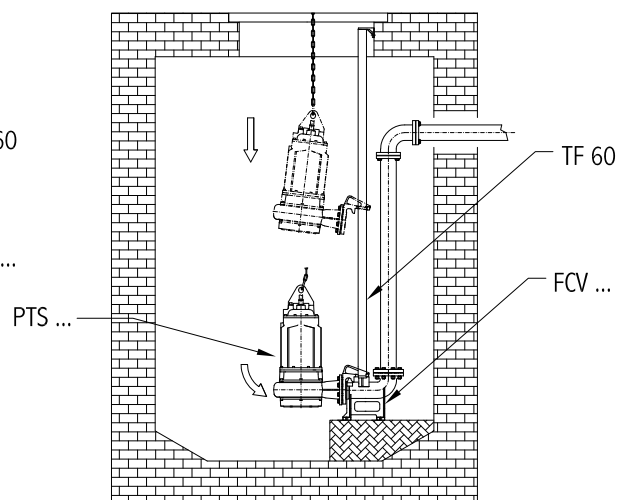
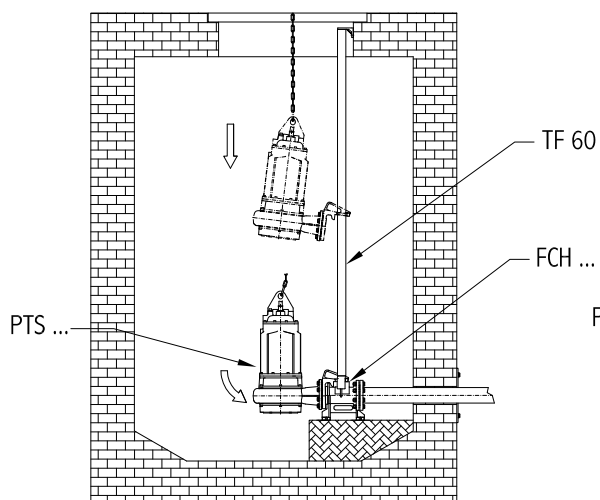
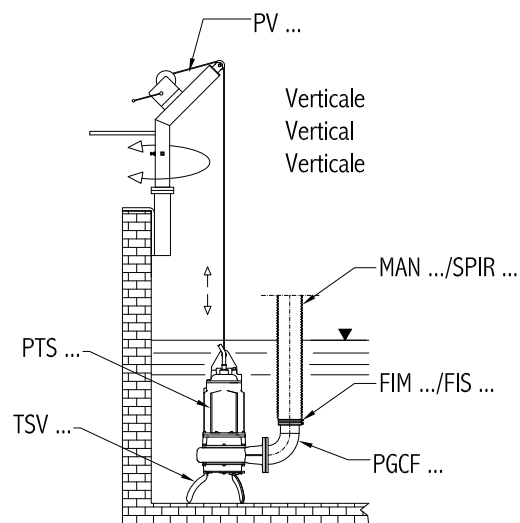
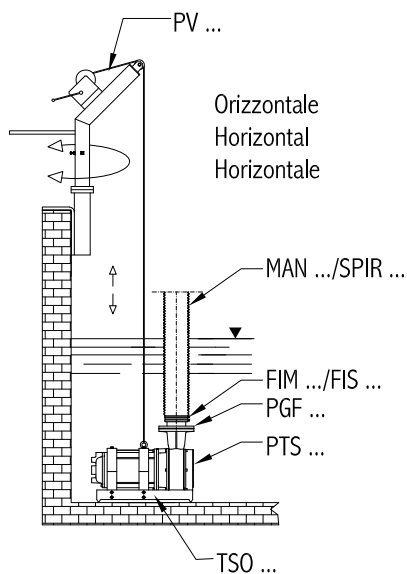
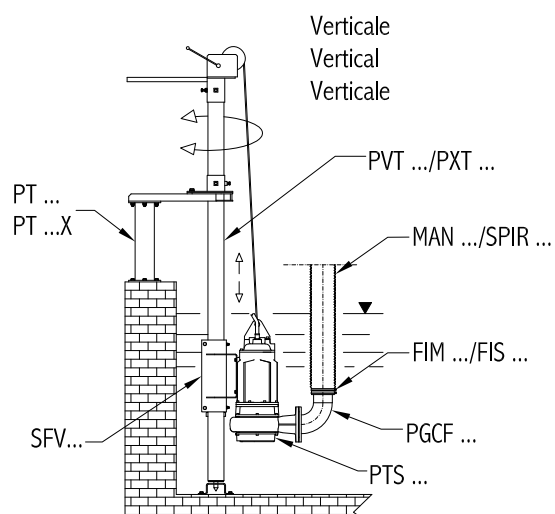
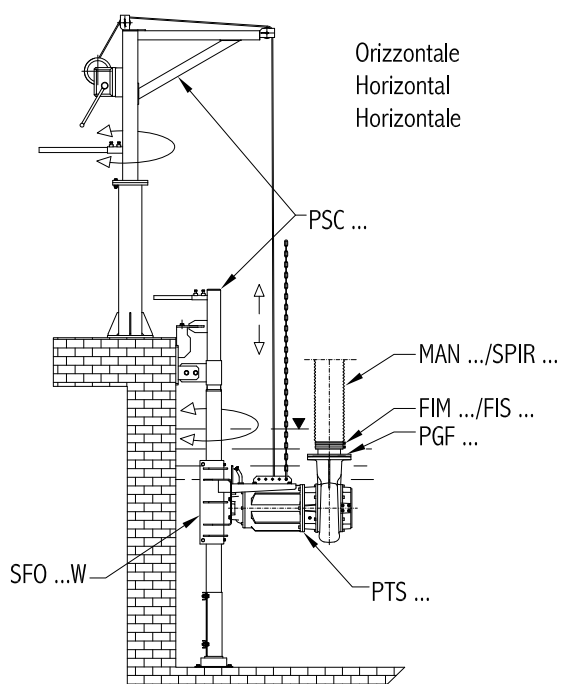


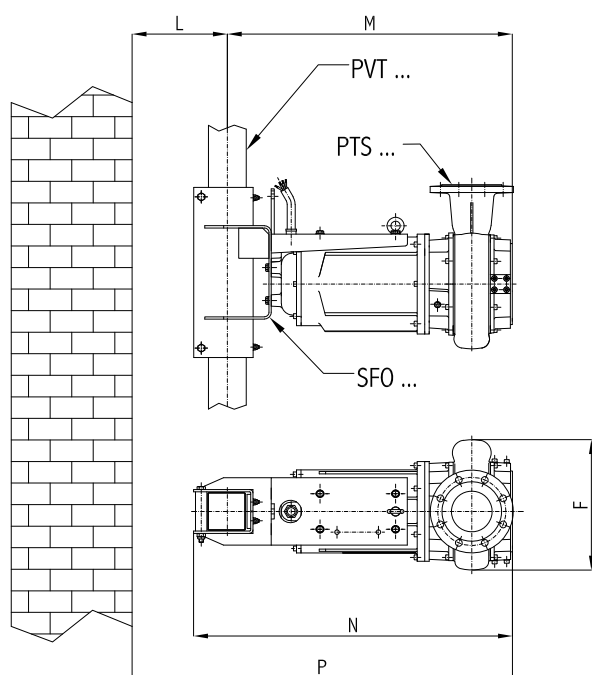
Flangia - Flange - Bride					
DN	L	M	P°	Ø Fori Ø Holes Ø Trous	N°Fori N°Holes N°Trous
DN65-PN10	145	185	90°	18	4
DN80-PN10	160	200	90°	18	4
DN100-PN10	180	220	45°	18	8
DN150-PN10	240	285	45°	22	8
DN200-PN10	295	340	45°	22	8



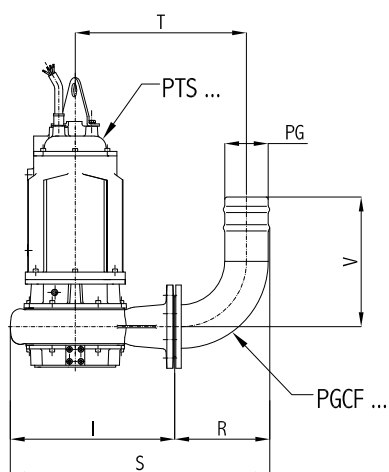
Elettropompa tipo Electric pump type Electropompe type		DIMENSIONI INGOMBRO - OVERALL DIMENSIONS - DIMENSIONS [mm]										Peso Weight Poids [kg]
		DN	A	B	C	D	E	F	G	H	I	
PTS 7,5 - 65	PTSex 7,5 - 65	DN65 PN10	92	656	748	184	199	383	192	261	453	125
PTS 9 - 65	PTSex 9 - 65			773	865							130
PTS 11 - 65	PTSex 11 - 65											191
PTS 2,2 - 80	PTSex 2,2 - 80	DN80 PN10	107	579	686	150	177	327	163	240	403	74
PTS 3 - 80	PTSex 3 - 80			775	882							77
PTS 4 - 80	PTSex 4 - 80											78
PTS 15 - 80	PTSex 15 - 80			776	883							168,5
PTS 18,5 - 80	PTSex 18,5 - 80											183
PTS 2,2 - 80N	PTSex 2,2 - 80N			579	686							75
PTS 3 - 80N	PTSex 3 - 80N											78
PTS 4 - 80N	PTSex 4 - 80N											79
PTS 15 - 80N	PTSex 15 - 80N											169,5
PTS 18,5 - 80N	PTSex 18,5 - 80N											184
PTS 4 - 100	PTSex 4 - 100	DN100 PN10	108	570	677	155	190	345	173	263	436	88
PTS 5,5 - 100	PTSex 5,5 - 100			659	767							122
PTS 7,5 - 100	PTSex 7,5 - 100											128
PTS 9 - 100	PTSex 9 - 100											133
PTS 15 - 100K			117	1090	1207	232	251	483	242	370	612	445
PTS 25 - 100K				1170	1287							463
PTS 30 - 100K												475
PTS 37 - 100K												565
PTS 45 - 100K												579
PTS 11 - 150	PTSex 11 - 150	DN150 PN10	150	805	955	197	257	454	226	342	568	213
PTS 15 - 150	PTSex 15 - 150											226
PTS 18,5 - 150	PTSex 18,5 - 150											229
PTS 15 - 200		DN200 PN10	244	1051	1295	296	364	660	380	480	860	475
PTS 18,5 - 200												490
PTS 22 - 200				1131	1375							565
PTS 25 - 200												577
PTS 30 - 200												601

INSTALLAZIONI POSSIBILI - POSSIBLE INSTALLATIONS - INSTALLATIONS POSSIBLES



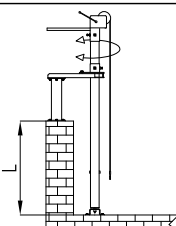
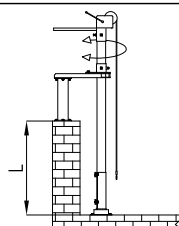
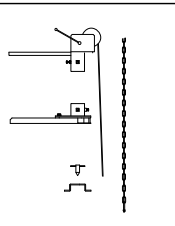
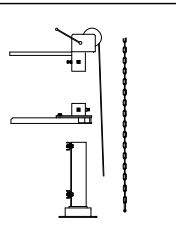
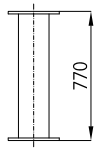
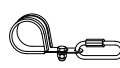
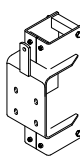
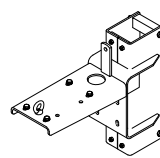
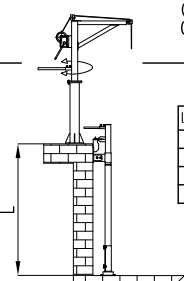
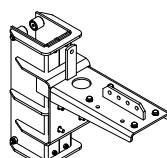
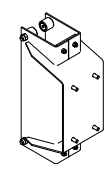
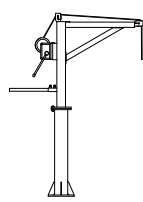
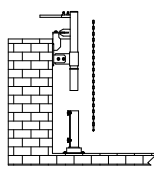
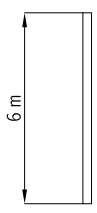
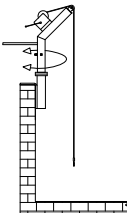


Elettropompa tipo Electric pump type Electropompe type	DIMENSIONI [mm] DIMENSIONS [mm] DIMENSIONS [mm]		PTS + PVT + SFO						
	F	L	M	N	P				
PTS 7,5/9-65	383	240	735	825	1065				
PTSex 7,5/9-65		250	822	911	1545				
PTS 11-65									
PTSex 11-65									
PTS 2,2/3/4-80/80N	327	240	658	737	898				
PTSex 2,2/3/4-80/80N		250	843	933	1093				
PTS 15/18,5-80/80N									
PTSex 15/18,5-80/80N									
PTS 4-100	345	240	664	743	904				
PTSex 4-100		250	753	843	1003				
PTS 5,5/7,5/9-100									
PTSex 5,5/7,5/9-100									
PTS 15/25/30-100K	483	285	1172	1295	1457				
PTS 37/45-100K	.....								
PTS 11/15/18,5-150	454	250	910	1000	1160				
PTSex 11/15/18,5-150									
PTS 15/18,5-200	.....								
PTS 22/25/30-200	.....								

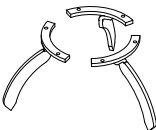
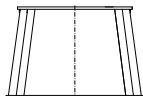
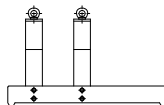
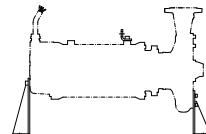
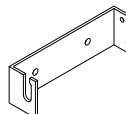


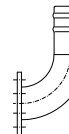
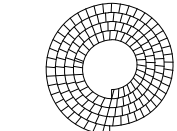
Elettropompa tipo Electric pump type Electropompe type	DIMENSIONI [mm] DIMENSIONS [mm] DIMENSIONS [mm]					
	PG	I	R	S	T	V
PTS 7,5/9/11-65	DN60	453	115	568	660	185
PTSex 7,5/9/11-65						
PTS 2,2/3/4-80/80N	DN80	402	180	582	419	240
PTSex 2,2/3/4-80/80N						
PTS 15/18,5-80/80N						
PTSex 15/18,5-80/80N						
PTS 4-100	DN100	436	220	656	483	290
PTSex 4-100						
PTS 5,5/7,5/9-100						
PTSex 5,5/7,5/9-100						
PTS 15/25/30-100K	DN100	612	220	832	688	290
PTS 37/45-100K						
PTS 11/15/18,5-150	DN150	568	320	888	660	380
PTSex 11/15/18,5-150						
PTS 15/18,5-200	DN200	860	440	1300	770	555
PTS 22/25/30-200						

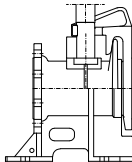
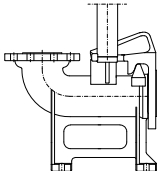
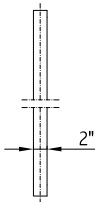
ACCESSORI - ACCESSORIES - ACCESSOIRES

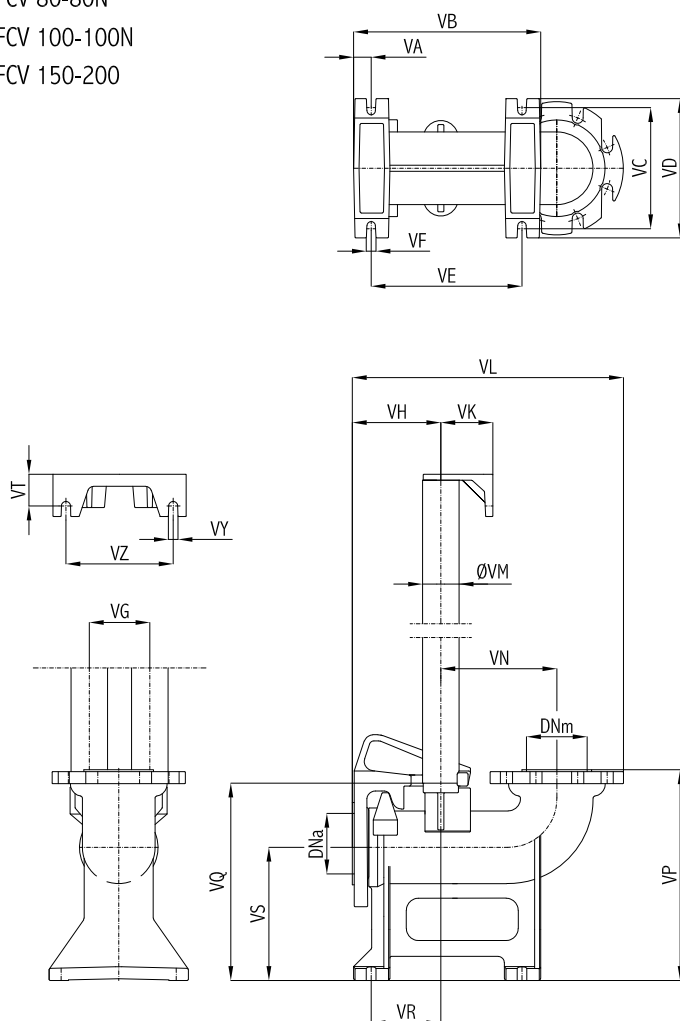
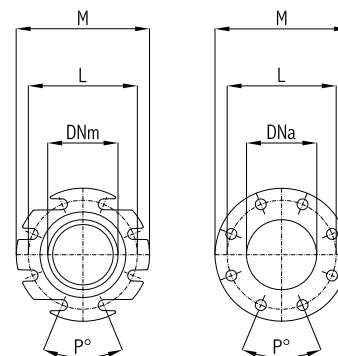
Elettropompa tipo Electric pump type Electropompe type	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau de guide		Kit di sollevamento Lifting kit Potence		Piantone Spacer Colonne	
		L [m] 2 3 4 5 PVT .. / 5 2 3 4 5 PXT .. / 5 				
PTS 7,5/9-65*	PVT 100 / 5	PXT 100 / 5	.....		PT 100 PT 100X	
PTS 11-65*	.....		.....		PT 100 PT 100X	
PTS 2,2/3/4-80/80N*	PVT 80 / 5	PXT 80 / 5	.....		PT 80 PT 80X	
PTS 15/18,5-80/80N*	.....		.....		PT 100 PT 100X	
PTS 4-100*	PVT 80 / 5	PXT 80 / 5	.....		PT 80 PT 80X	
PTS 5,5/7,5/9-100*	PVT 100 / 5	PXT 100 / 5	.....		PT 100 PT 100X	
PTS 15/25/30-100K	PVT 150R / 5		.....		PT 150R	
PTS 37/45-100K	.....		.....		.....	
PTS 11/15/18,5-150*	.....	PVT 150 / 5N PXT 150 / 5N	.....		PT 100 PT 100X	
PTS 15/18,5-200	.....		.....		.....	
PTS 22/25/30-200	.....		.....		.....	
Elettropompa tipo Electric pump type Electropompe type	Fermacavo Cable stop Arrêt de câble	Staffa motore Motor bracket Support du moteur	Staffa motore Motor bracket Support du moteur	Gru con verricello Cranes and winch Grues et poulie	Staffa motore con rullini Motor bracket with rolls Support du mot. avec rouleaux	
					L [m] 2 3 4 5 PSC ... / 5	
PTS 7,5/9-65*	FC 20	SFV 100D	SFO 100	PSC 100 / 5	SFO 100W	
PTS 11-65*	FC 26	SFV 150	SFO 150		SFO 150W	
PTS 2,2/3/4-80/80N*	FC 16	SFV 80	SFO 80	PSC 80 / 5	SFO 80W	
PTS 15/18,5-80/80N*	FC 26	SFV 150	SFO 150	PSC 100 / 5	SFO 150W	
PTS 4-100*	FC 16	SFV 80	SFO 80	PSC 80 / 5	SFO 80W	
PTS 5,5/7,5/9-100*	FC 20	SFV 100	SFO 100	PSC 100 / 5	SFO 100W	
PTS 15-100K	FC 26	SFV 180	SFO 180	PSC 150R / 5	SFO 180W	
PTS 25/30-100K	FC 30					
PTS 37-100K	FC 30	.....	.....	.....	.....	
PTS 45-100K	FC 28	.....	.....	.....	.....	
PTS 11/15/18,5-150*	FC 26	SFV 150	SFO 150	PSC 100 / 5	SFO 150W	
PTS 15/18,5-200	FC 26	.....	.....	.....	.....	
PTS 22/25/30-200	FC 30	.....	.....	.....	.....	
Elettropompa tipo Electric pump type Electropompe type	Staffa motore con rullini Motor bracket with rolls Support du mot. avec rouleaux	Kit gru con verricello Cranes and winch kit Kit grues et poulie	Kit fissaggio tubo guida Fixing kit for rail pipe Kit de fixation pour tuyau de guide	Tubo guida Guide tube Tuyaux guide	Paranco con verricello Hoist and winch Treuil et poulie	
						
PTS 7,5/9-65*	SFV 100WD	KIT PVG 100	KIT PTG 100	KIT PGI 100	PV 100	PV 100X
PTS 11-65*	SFV 150W				PV 150	PV 150X
PTS 2,2/3/4-80/80N*	SFV 80W	KIT PVG 80	KIT PTG 80	KIT PGI 80	PV 80	PV 80X
PTS 15/18,5-80/80N*	SFV 150W	KIT PVG 100	KIT PTG 100	KIT PGI 100	PV 150	PV 150X
PTS 4-100*	SFV 80W	KIT PVG 80	KIT PTG 80	KIT PGI 80	PV 80	PV 80X
PTS 5,5/7,5/9-100*	SFV 100W	KIT PVG 100	KIT PTG 100	KIT PGI 100	PV 100	PV 100X
PTS 15/25/30-100K	.....	KIT PVG 150R	KIT PTG 150R	KIT PGI 150R	PV 150R	
PTS 37/45-100K	.....	.....	.....	.....	.....	
PTS 11/15/18,5-150*	SFV 150W	KIT PVG 100	KIT PTG 100	KIT PGI 100	PV 150	PV 150X
PTS 15/18,5-200	.....	.....	.....	.....	.....	
PTS 22/25/30-200	.....	.....	.....	.....	.....	
*PTS... = PTSex ... PVT... / KIT PVT... / PSC... / KIT PVG... / PV... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement de treuil galvanisé PXT... / KIT PXT... / PT...X / PV...X = Attrezzature in acciaio inox - Stainless steel equipment - Équipement en acier inoxydable						

ACCESSORI - ACCESSORIES - ACCESSOIRES

Elettropompa tipo Electric pump type Electropompe type	Telaio di sostegno Support frame Châssis de soutien		Telaio di sostegno Support frame Châssis de soutien		Piedi di sostegno Support feet Pieds de soutien	Staffa attacco catena e fune Bracket for chain and rope Support pour chaîne et corde	
							
PTS 7,5/9-65*		TSV 65	TSO 100	TSO 100X		SCF	
PTS 11-65*			TSO 150	TSO 150X			
PTS 2,2/3/4-80/80N*	TSV 80	TSV 80X	TSO 80	TSO 80X	.....		
PTS 15/18,5-80/80N*			TSO 150	TSO 150X			
PTS 4-100*	TSV 100	TSV 100X	TSO 80	TSO 80X			
PTS 5,5/7,5/9-100*			TSO 100	TSO 100X			
PTS 15/25/30-100K	.....	TSV 100K	.....		PSO 100K/180		
PTS 37/45-100K					PSO 100K/225		
PTS 11/15/18,5-150*	TSV 150	TSV 150X		TSO 150	TSO 150X		
PTS 15/18,5-200	.....	TSV 200	.....		PSO 200/180		
PTS 22/25/30-200					PSO 200/225		

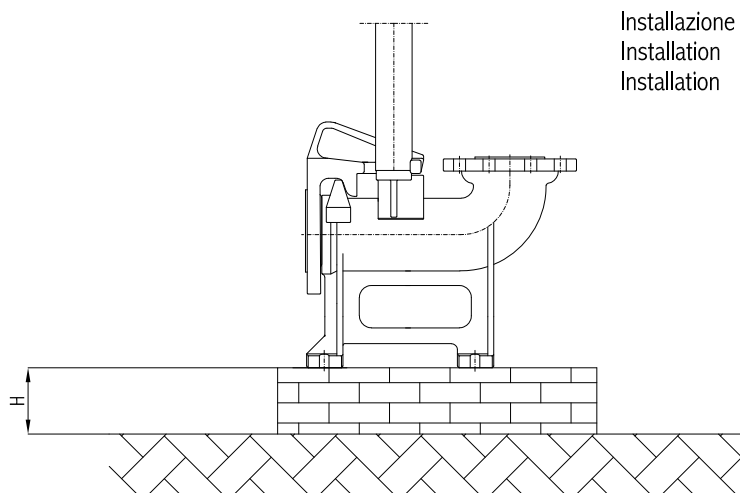
Elettropompa tipo Electric pump type Electropompe type	Catena Chain Chaîne	Grillo Shackle Cricket	Portagomma flangiato Flanged hose connection Raccord bridé		Curva flangiata portagomma Flanged hose connection Coude bridé de refoulement pour tuyau flexible			Manichetta / Tubo flessibile Flexible rubber hose / PVC hose Tuyau flexible / Tuyau en PVC	
									
PTS 7,5/9-65*	CAT INOX 6	GRI 10	PGF 60/65	PGF 60/65 Z	PGCF 60/65	PGCF 60/65 Z		SPIR 60	
PTS 11-65*		GRI 10							
PTS 2,2/3/4-80/80N*		GRI 8	PGF 80	PGF 80 Z	PGCF 80	PGCF 80 Z	PGCF 100/80	SPIR 80	
PTS 15/18,5-80/80N*		GRI 10							
PTS 4-100*		GRI 8							
PTS 5,5/7,5/9-100*	GRI 10	PGF 100	PGF 120-100 PGF 120-100 Z	PGCF 100	PGCF 120-100 PGCF 120-100 Z		MAN 100 SPIR 100	SPIR 120	
PTS 15/25/30-100K	CAT INOX 8								
PTS 37/45-100K	CAT INOX 12								
PTS 11/15/18,5-150*	CAT INOX 6	GRI 10	PGF 150	PGF 150 Z	PGCF 150	PGCF 150 Z		MAN 150	SPIR 150
PTS 15/18,5-200	CAT INOX 12	GRI 14	PGF 200	PGF 200 Z	PGCF 200	PGCF 200 Z		MAN 200	
PTS 22/25/30-200									

Elettropompa tipo Electric pump type Electropompe type	Fascetta per manichetta / ... per tubo flessibile Clamp for rubber hose / Clamp for PVC hose Collier de serrage pour tuyau flexible / ... pour tuyau en PVC	Piede Duck-Foot pedestal Pied d'assise	Piede Duck-Foot pedestal Pied d'assise	Tubo guida Guide pipe Tuyaux guide	
					
	PTS 7,5/9-65*	FIS 60	.....	.....	
	PTS 11-65*				
	PTS 2,2/3/4-80/80N*	FIS 80	FCH 80-80	FCV 80-80N	
	PTS 15/18,5-80/80N*				
	PTS 4-100*	FIM 100 FIS 100 FIS 120	FCH 100-100	FCV 100-100N	TF 60
	PTS 5,5/7,5/9-100*				
	PTS 15/25/30-100K				
	PTS 37/45-100K				
PTS 11/15/18,5-150*	FIM 150 FIS 150	FCH 150-150	FCV 150-200		
PTS 15/18,5-200	FIM 200	.....	FCV 200-200		
PTS 22/25/30-200					
*PTS... = PTSex ...					

FCV 80-80N
 FCV 100-100N
 FCV 150-200

 Flangia UNI
 Flange UNI
 Bride UNI


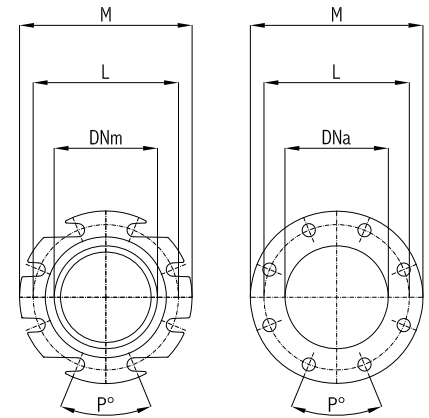
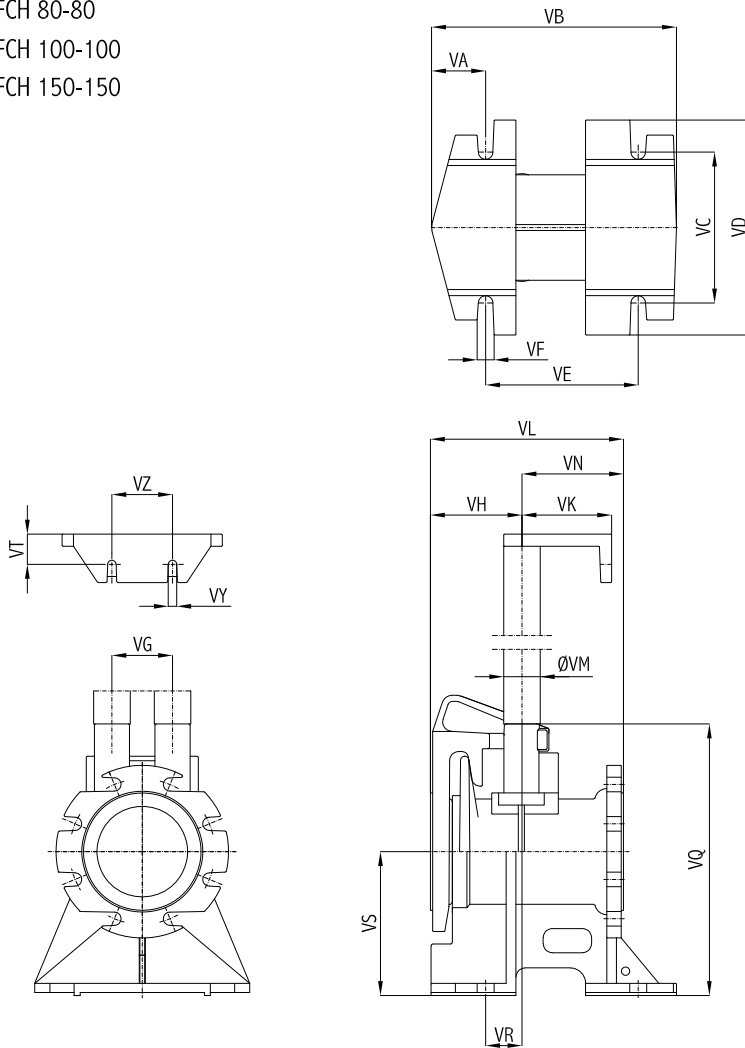
Flangia - Flange - Bride						
DNa	DNm	L	M	P°	Ø Fori Ø Holes Ø Trous	N°Fori N°Holes N°Trous
DN80-PN10		160	200	90°	M16	4
	DN80-PN10	160	200	90°	18	4
DN100-PN10		180	220	45°	M16	8
	DN100-PN10/16	180	220	45°	18	8
DN150-PN10		240	285	45°	M20	8
DN200-PN10		295	340	45°	M20	8
	DN200-PN10	295	340	45°	22	8
DN250-PN10		350	395	30°	22	12
	DN300-PN10	400	445	30°	22	12

Tipo Type Type	DIMENSIONI INGOMBRO OVERALL DIMENSIONS DIMENSIONS [mm]																						
	DNa	DNm	VA	VB	VC	VD	VE	VF	VG	VH	VK	VL	VM	VN	VP	VQ	VR	VS	VT	VY	VZ	H	
FCV 80-80N	DN80-PN10	DN80-PN10	30	310	200	230	250	16	100	141	85	435	2"	194	353	336	115	229	55	16	174	300	
FCV 100-100N	DN100-PN10	DN100-PN10/16										445						219					
FCV 150-200	DN150-PN10	DN200-PN10	91	476	250	360	280	25		157	148	631		304	603	606	63	408	50	14	100		500
FCV 200-200	DN200-PN10	DN200-PN10	62	623			500	23		147	159	679		359	600	590	51	411	27	16	174		
FCV 250-300	DN250-PN10	DN300-PN10			310		425	24	88,5	117	673	3"	362	700		6	400		12,5	315			


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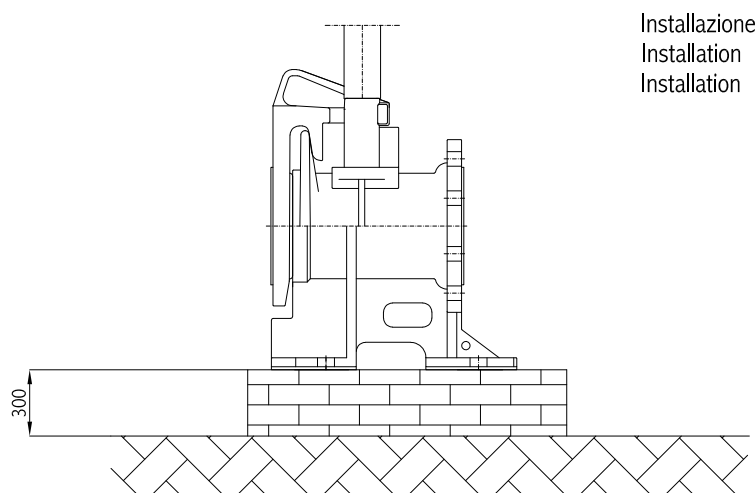
FCH 80-80
FCH 100-100
FCH 150-150

Flangia UNI
Flange UNI
Bride UNI



Flangia - Flange - Bride						
DNa	DNm	L	M	P°	Ø Fori Ø Holes Ø Trous	N°Fori N°Holes N°Trous
DN80-PN10		160	200	90°	M16	4
	DN80-PN10	160	200	90°	18	4
DN100-PN10		180	220	45°	M16	8
	DN100-PN10/16	180	220	45°	18	8
DN150-PN10		240	285	45°	M20	8
	DN150-PN10/16	240	285	45°	22	8

Tipo Type Type	DIMENSIONI INGOMBRO OVERALL DIMENSIONS DIMENSIONS [mm]																				
	DNa	DNm	VA	VB	VC	VD	VE	VF	VG	VH	VK	VL	VM	VN	VQ	VR	VS	VT	VY	VZ	
FCH 80-80	DN80-PN10	DN80-PN10	34	313	200	232	250	14	100	147	85	269	2"	122	315	113	190	55	15	174	
FCH 100-100	DN100-PN10	DN100-PN10/16	40	320				16				280		133	331	105					
FCH 150-150	DN150-PN10	DN150-PN10/16	91	406				25				152		148	321	169					335



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