

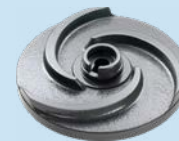
FC 160-310

FC 410-1000 T

FC 410-1000 T/P



Centrifugal drainage high head pumps ideal for civil and industrial applications, specifically designed for very heavy use. Available in the mobile or permanent versions with coupling feet.



Grey water

Construction features

Painting cataphoresis

Pump body cast iron



Impeller cast iron

Mechanical seal double seal with oil barrier; silicon carbide on pump side, ceramic-graphite on motor side

Motor shaft stainless steel AISI 304

Free passage Ø max 10 mm

Max submergence 20 m

Liquid temperature 0 - 40 °C

Cable H07 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

Motor

3- 230V - 50Hz

3- 400V - 50Hz

3- 230/400V - 50Hz

3- 400/690V - 50Hz

2 Poles induction motor

1- 230V-50Hz

required run capacitor (35µF for 1,5HP model, 50µF for 2HP model)

Insulation class F

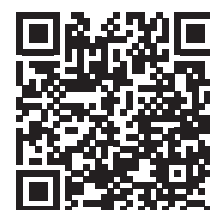
Protection degree IPX8

FC 560 T -CF counter-flange not included

CF included

..... motor 1- **T** 3-

— pump type



TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
FC 160÷310	85×110×145	18	85×110×190	27
FC 410-560T	85×110×170	12	85×110×170	12
FC 750-1000T	100×120×190	12	100×120×190	12



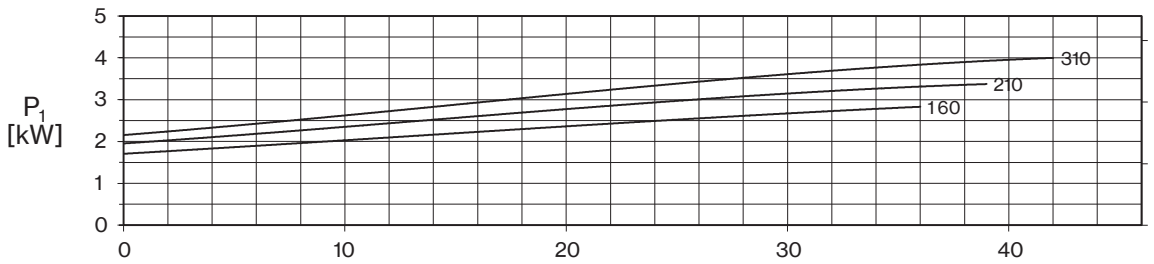
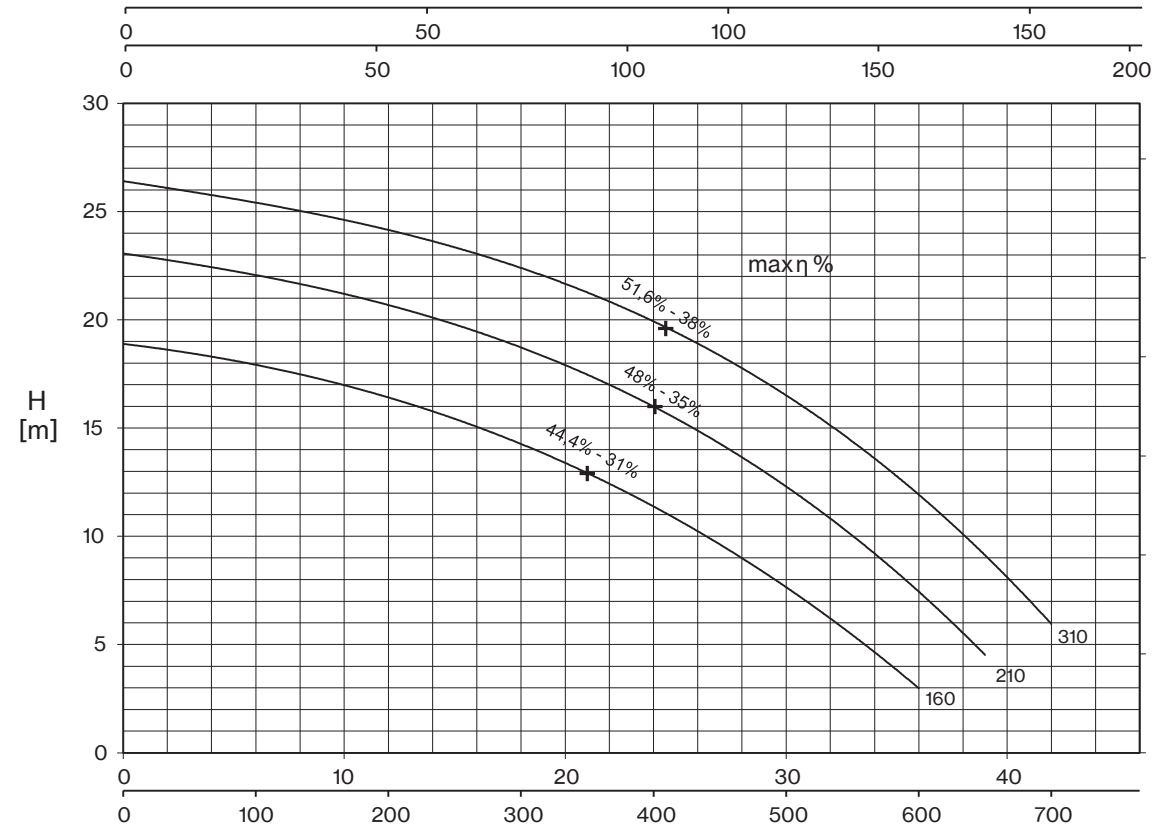
FC

Q [imp g.p.m]
Q [US g.p.m.]

H [m]
H [ft]

Q [m³/h]
Q [l/min]

P₁ [kW]
HP
Q [m³/h]

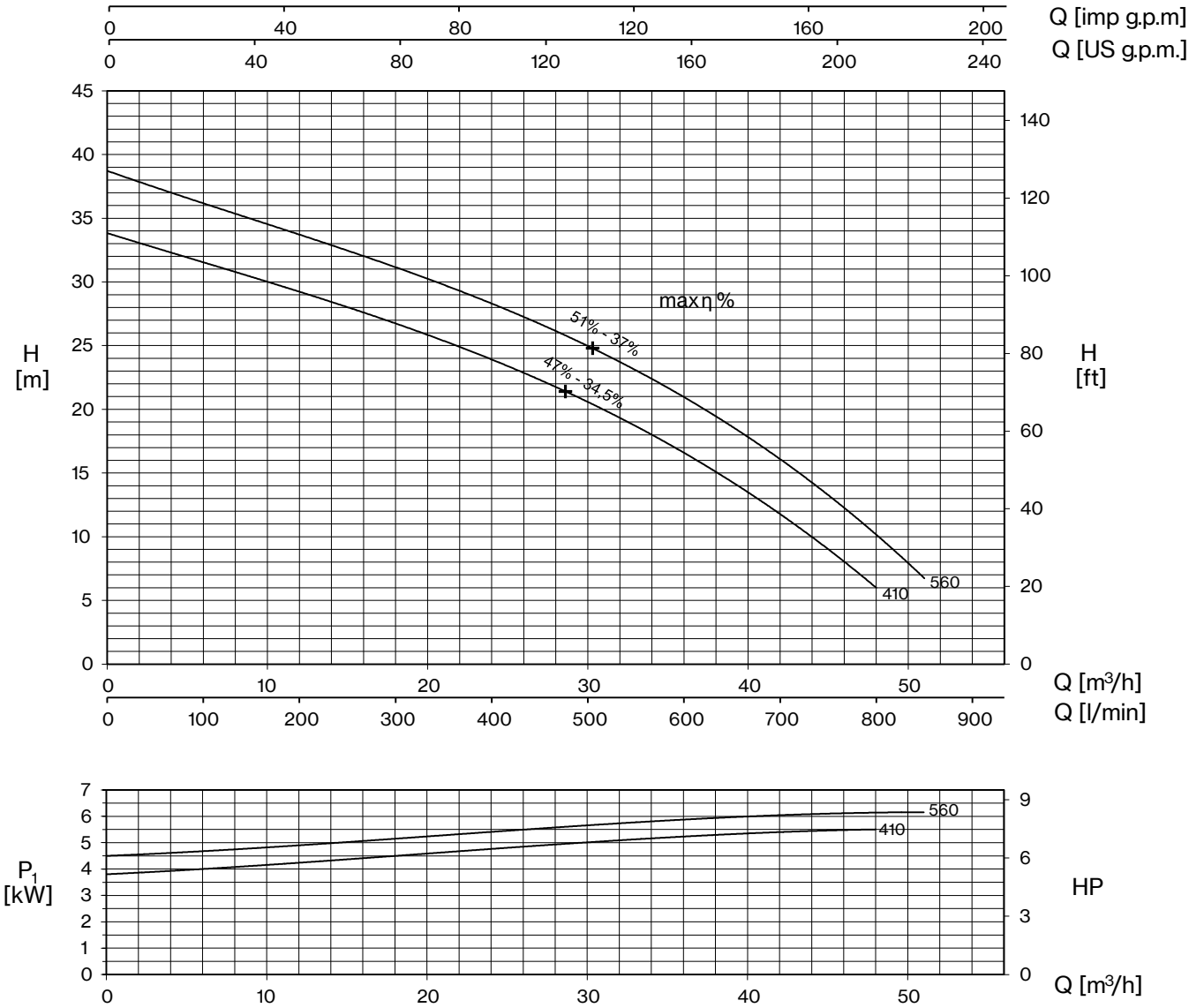


TYPE - 50 Hz		CURRENT				
1~	3~	1- 230 V	3- 230V (*)	3- 400V	230/400 V λ / Δ (*)	400/690 V λ / Δ
FC 160	FC 160T	13,8	8,3	4,8	-	-
FC 210	FC 210T	16,5	10,2	5,9	-	-
-	FC 310T	-	12,0	6,9	-	-

+ max η %
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE - 50 Hz		P2		P1		Q (m³/h - l/min)								
1~	3~	HP	kW	1~	3~	0	6	12	18	24	30	36	39	42
						0	100	200	300	400	500	600	650	700
				kW		H (m)								
FC 160	FC 160T	1,5	1,1	3,0	2,8	18,9	17,9	16,4	14,3	11,4	7,6	3,0		
FC 210	FC 210T	2	1,5	3,7	3,4	23,0	22,2	20,7	18,6	15,9	12,5	7,4	4,5	
-	FC 310T	3	2,2	-	4,0	26,4	25,4	24,2	22,4	19,9	16,4	12,1	9,1	5,9



TYPE - 50 Hz	CURRENT			
	3- 230V (*)	3- 400V	230/400 V λ / Δ (*)	400/690 V λ / Δ
FC 410T	15,4	8,9	-	-
FC 560T	17,6	10,2	-	-

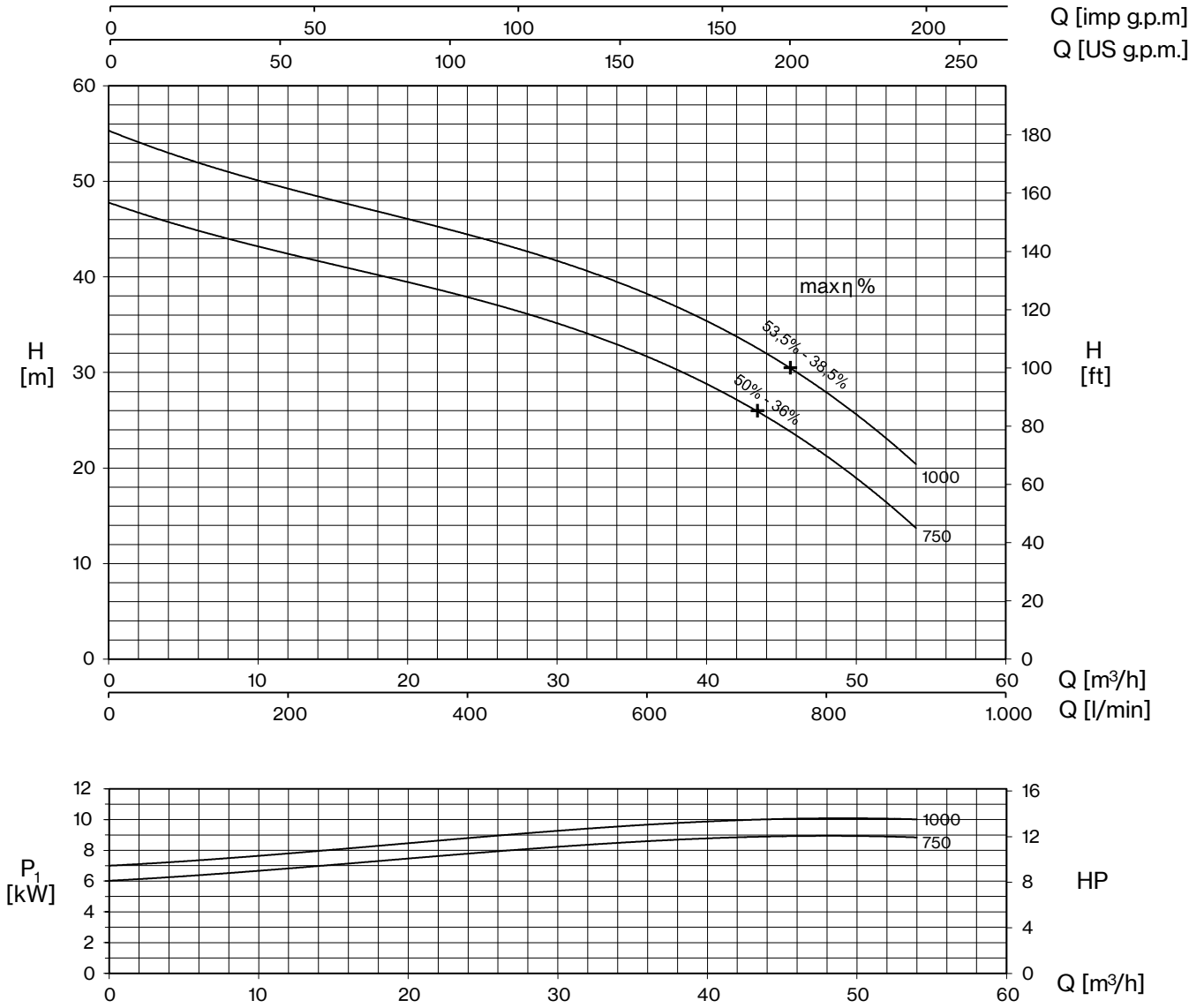
+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)									
				0	6	12	18	24	30	36	42	48	51
	HP	kW	kW	0	100	200	300	400	500	600	700	800	850
FC 410T	4	3	5,5	33,8	31,6	29,2	26,8	23,9	20,5	16,5	12,0	5,9	
FC 560T	5,5	4	6,3	38,7	36,1	33,9	31,2	28,3	24,7	20,9	16,3	10,4	6,5

FC



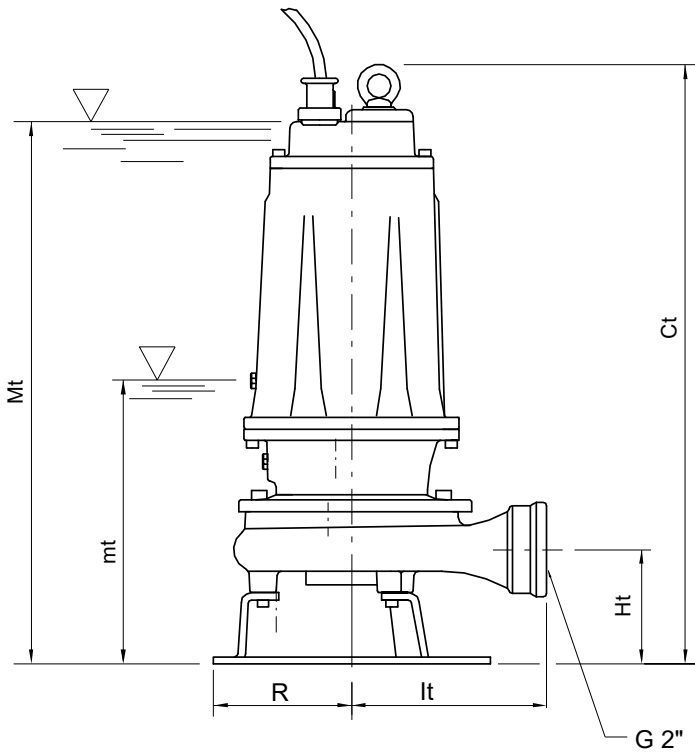
TYPE - 50 Hz	CURRENT			
3~	3- 230V (*)	3- 400V	230/400 V λ / Δ (*)	400/690 V λ / Δ
FC 750T	-	15,3	26,5	15,3
FC 1000T	-	17,5	30,3	17,5

+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)														
				H (m)														
				0	12	18	24	30	36	42	48	54						
3~	HP	kW	kW	0	200	300	400	500	600	700	800	900						
FC 750T	7,5	5,5	9,0	47,6	42,9	40,4	37,7	34,7	31,2	27,4	22,3	13,1						
FC 1000T	10	7,5	10,3	55,1	49,8	47,1	44,2	41,1	37,8	34	29,1	19,7						

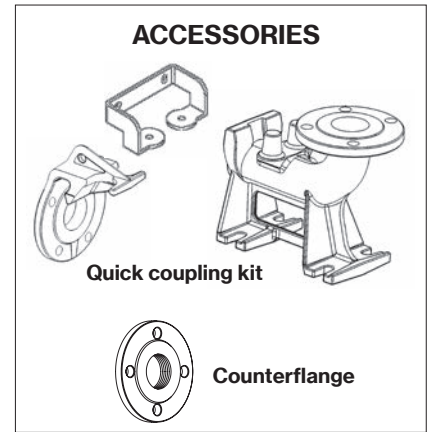
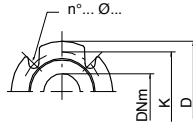
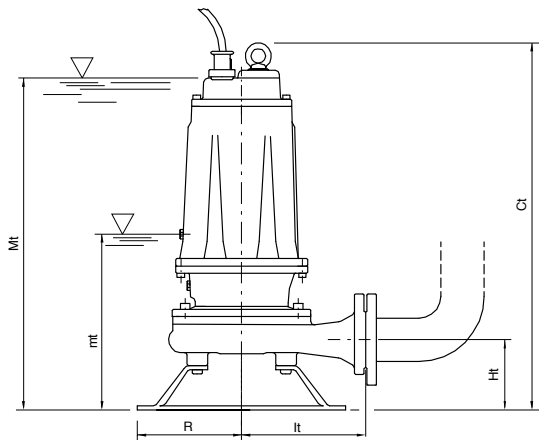


mt: minimum working level
 Mt: minimum submencence level for
 continuos duty

TYPE		DIMENSIONS (mm)							Kg
1~	3~	Ct	Ht	R	lt	mt	Mt	DNM	
FC 160	FC 160T	513	102	117	174	205	475	2" G	37
FC 210	FC 210T	513	102	117	174	205	475	2" G	37,5
-	FC 310T	513	102	117	174	205	475	2" G	37

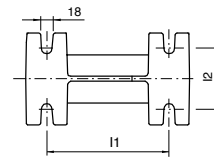
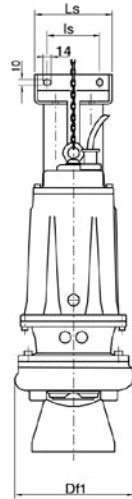
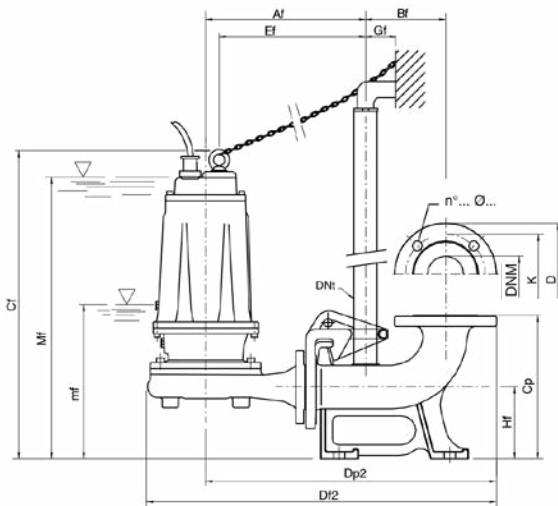
TYPE	PROTECTION		1 PUMP CONTROL PANEL			2 PUMPS CONTROL PANEL		
	1- 230V	3- 400V	1- 230V	3- 400V	400/690 V	1- 230V	3- 400V	400/690 V
FC 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	EQSM + 35µF	EQSMT 10		EQ2SM + 2×35µF	EQ2SMT 10	
FC 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	EQSM + 50µF	EQSMT 10		EQ2SM + 2×50µF	EQ2SMT 10	
FC 310T		PT 40-50/5.7-9.1		EQSMT 10			EQ2SMT 10	
FC 410T		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
FC 560T		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
FC 750T		PT 100/12.5-16.5		EQSMT 10	QST 7		EQ2SMT 10	Q2ST 7
FC 1000T		PT 125-150/16-21		EQSMT 10	QST 10		EQ2SMT 15	Q2ST 10

FC



mt: minimum working level
Mt: minimum submergence level for continuous duty

TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	lt	mt	Mt	DNM	
FC 410T	595	112	160	187	263	550	50	60,5
FC 560T	595	112	160	187	263	550	50	63,5
FC 750T	680	160	180	250	280	630	65	91
FC 1000T	680	160	180	250	280	630	65	93,5



mf: minimum working level
Mf: minimum submergence level for continuous duty

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	Dnt	Ef	Gf	Hf	I1	I2	Is	Ls	mf	Mf	DNM
FC 410T/P	300	145	614	260	237	654	535	1" 1/4	269	55	130	200	100	95	140	290	566	50
FC 560T/P	300	145	614	260	237	654	535	1" 1/4	269	55	130	200	100	95	140	290	566	50
FC 750T/P	331	145	656	260	279	701	569	1" 1/4	296	55	130	200	100	95	140	290	600	65
FC 1000T/P	331	145	656	260	279	701	569	1" 1/4	296	55	130	200	100	95	140	290	600	65

Flange UNI PN 10 (mm)			
DNM	K	D	n°... Ø...
50	125	165	4... 18...
65	145	185	4... 18...