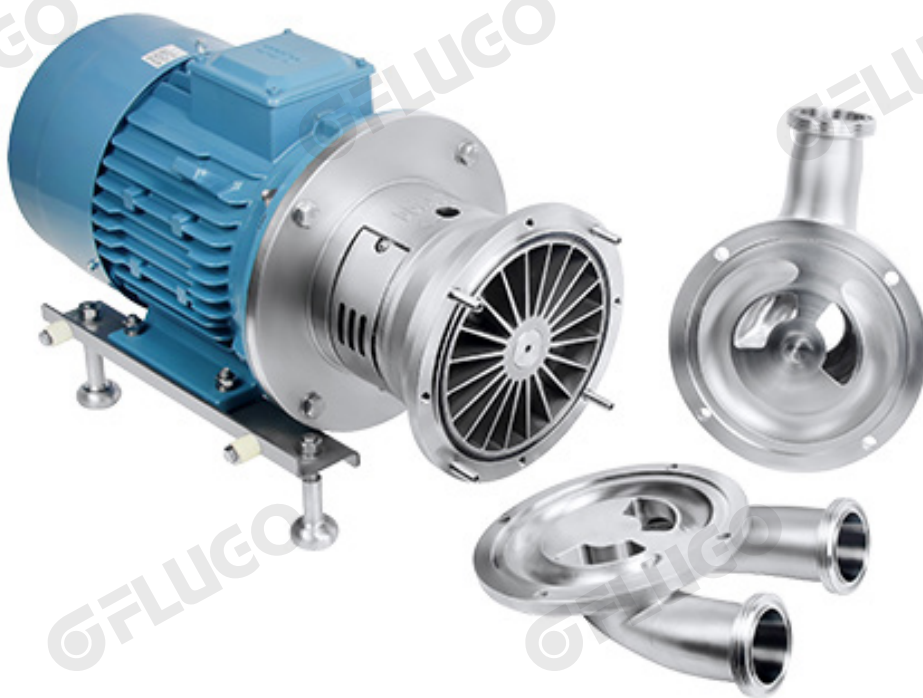




Technical Catalogue



FSNCIP Series

Self-Priming Pump

FSNCIP SERIES

SELF-PRIMING PUMP

Solution for high efficiency, low noise, large suction, simple maintenance, high purity.



FSNCIP-U-Series-priming pump



FSNCIP-L-Series self-priming pump

With the changes in market demand and the development of technology, we hope to establish new technical standards in the fields of high-clean pumps. For this reason, we have used a series of fluids software analysis and our more than 20 years of experience in manufacturing and engineering applications, to perform a series of technical upgrades and optimizations.

Flugo FSNCIP-U/L series-priming pump not only optimizes the internal structure, impeller design, dead angle treatment, machine seal pressure balance design and the machine seal is completely in the flushing area. We also optimized the external hygiene of the pump to make it more hygienic and reduce the dead angle inside. Because there is no dead zone, it is very easy to be cleaned by FSNCIP, FSNSIP sterilization and so on. In addition, we have maintained the most flexible combination of FSNCIP series pumps, For example, the pump outlet angle can be adjusted from 0° to 135°, which keeps the pump maintenance and servicing and machine seal replacement efficient. The requirement for a high degree of professionalism is reduced, and these do not require special tools. Therefore, the goal of achieving high efficiency, hygiene, high reliability and low cost is to make the FSNCIP series pump a high performance self-priming pump.

Technical Specifications

Max Flow Rate	40m ³ /h
Max Head	42M
Max Suction	8/M
Temperature	-20°C to 130°C
Power	2.2-15KW
Material	304/316L, 1.431/1.4404, ASME BPE316L, 1.4435 NB2 Fe≤0.5%
Surface Treatment	≤Ra0.8 μ m, ≤Ra0.6 μ m, ≤Ra0.4 μ m
Mechanical Seal	Single seal, double seal (see configuration scheme)
Inlet/Outlet Connection	Thread, Clamp, Flange, Aseptic flange
Certification	3-A-02-10(N.O.1579); MD/06/42-EC(N.O.70521616101-00); FDA 177.2600; USP CLASS-II; EG/VO1935/2004

FSNCIP SERIES

SELF-PRIMING PUMP

Typical Application



Various Application of FSNCIP Series

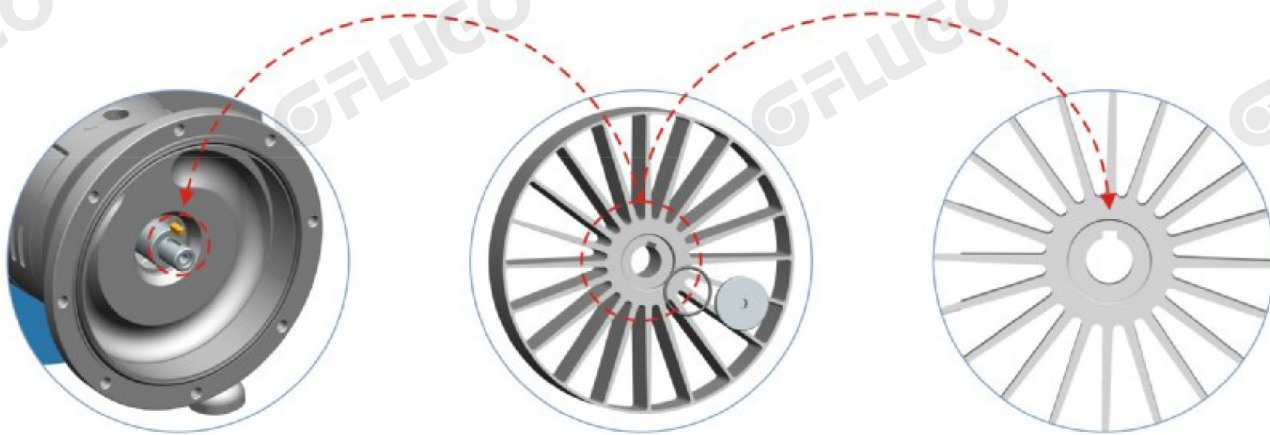
- Superior self-priming capacity up to 8M, negative pressure can be -0.8bar
- FSNCIP solution
- Tank emptying
- Low liquid level can be 8 meter suction

FSNCIP SERIES

SELF-PRIMING PUMP



Very simple maintenance, no special tools required,
no professionals required



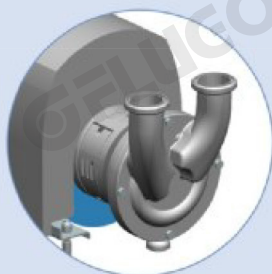
Technical Advantages

- Maintenance disassembly and installation can be completed without professional staff and special tools.
- Initial use of installation debugging, even if a short reverse rotation will not be damaged.
- Impeller and shaft are connected by keyway; impeller and mechanical seal rotating ring are connected by pin; mechanical seal static ring and pump body are connected by special-shaped flange.
- Compatible with single and double machine seal, only need to change machine seal.

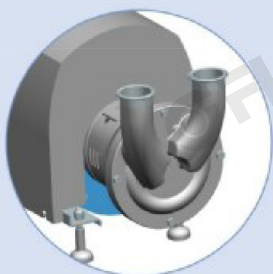
FSNCIP SERIES

SELF-PRIMING PUMP VARIOUS CONFIGURATIONS

FSNCIP-U series self-priming various configurations



Threaded connection



Clamp connection

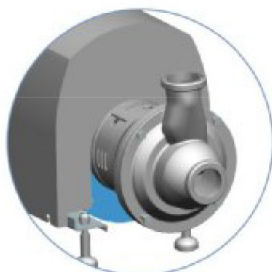


Nut connection

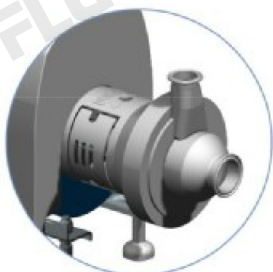


Aseptic flange
(DIN 11864) Inlet/Outlet

FSNCIP-L series self-priming various configurations



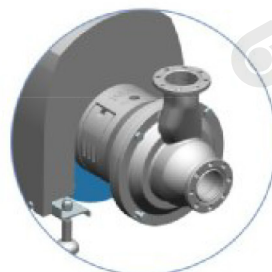
Threaded connection



Clamp connection



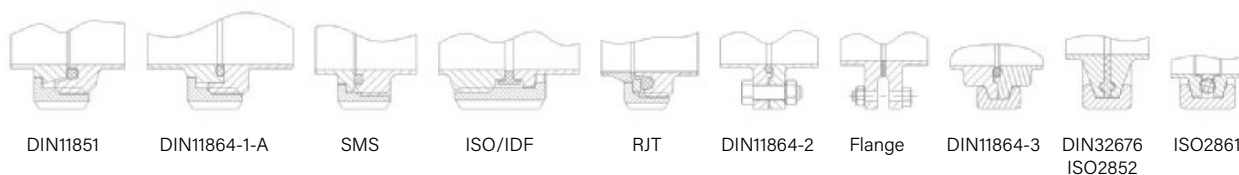
Nut connection



Aseptic flange
(DIN 11864) Inlet/Outlet

Pump Inlet/Outlet Connection Standard

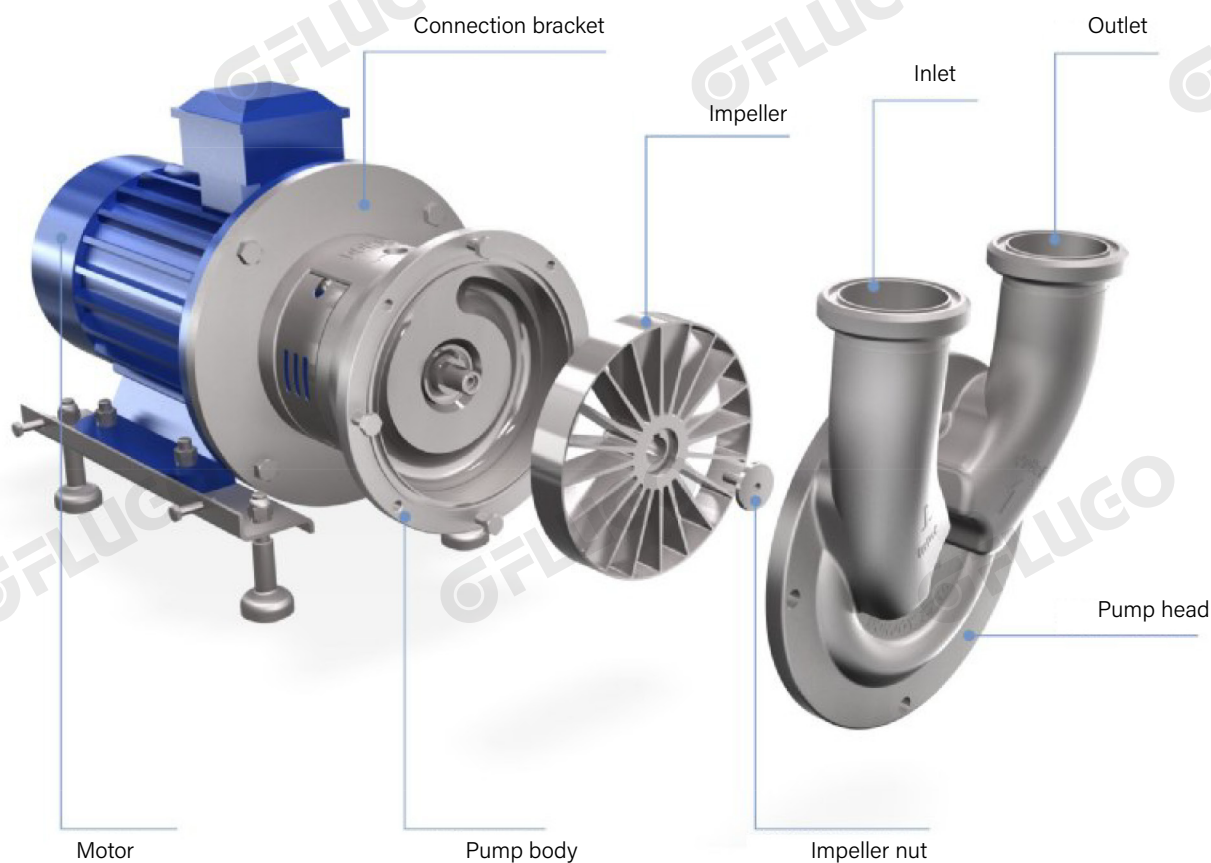
Connection: Thread, Clamp, Flange, Aseptic flange, KF etc.
Standard: DIN SMS ISO IDF RJT ASME BPE 3A I-line



FSNCIP SERIES

SELF-PRIMING PUMP

A port = Inlet
B port = Outlet



FSNCIP SERIES

SELF-PRIMING PUMP

A port = Inlet
B port = Outlet



FSNCIP SERIES

SELF-PRIMING PUMP MODEL INSTRUCTION



FSNCIP	10	10T	24	5.5KW	380V	50HZ	M	2.5/2.5	S
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Connection Standard:
DIN(D) SMS(S) 3A(A) RJT(R) ISO/IDF(I)

Inlet/Outlet SIZE

Connection method: Thread(M) Clamp(C) Flange(F)

Motor frequency
50HZ; 60HZ

Voltage: 110V 220V 380V (see table)

Motor power: 1.1kw 1.5kw 2.2kw.....

Self-priming pump head (see table)

Self-priming pump flow rate (see table)

Self-priming pump model

Self-priming pump code: FSNCIP-U, FSNCIP-L

For example:

FSNCIP-U-10-10T-24-5.5KW-380V-50HZ-M-2.5"/2.5"-S

FSNCIP SERIES

SELF-PRIMING PUMP MODEL INSTRUCTION

FSNCIP-U Series self-priming pump selection table

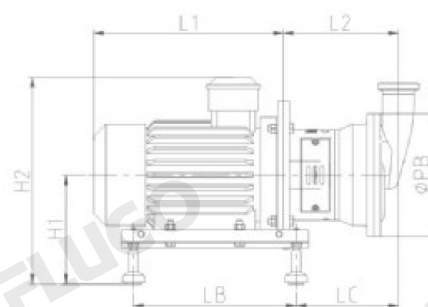
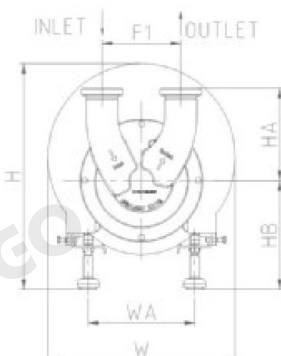
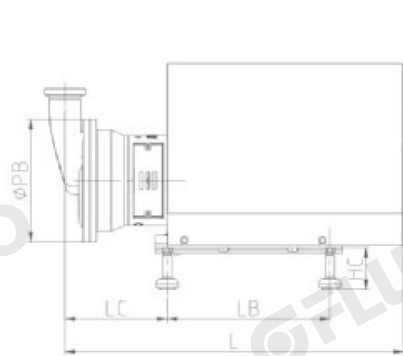
Model	Power	m ³ /h Flow	(m) Head	(bar) Inlet port negative pressure	Inlet	Outlet	(kg) Weight
FSNCIP-U-10	5.5KW	20	11	-0.72	2.5"	2.5"	87.2
		15	18				
		10	24				
FSNCIP-U-20	7.5KW	25	17	-0.65	2.5"	2.5"	96.1
		20	22				
		18	24				
		15	28				
	11KW	10	34				140-1
		5	38				
FSNCIP-U-30	11KW	35	19	-0.8	2.5"	2.5"	152.2
		30	24				
		25	30				
		21	33				
	15KW	16	38				165.2
		11	42				

FSNCIP-L Series self-priming pump selection table

Model	Power	m ³ /h Flow	(m) Head	(bar) Inlet port negative pressure	Inlet	Outlet	(kg) Weight
FSNCIP-L-05	2.2KW	10	15	-0.56	2"-DN50	2"-DN50	45.9
	2.2KW	8	18				54.9
	3.0KW	5	20				
FSNCIP-L-10	5.5KW	20	11	-0.72	2.5"-DN65	2.5"-DN65	89
	5.5KW	15	18				
	5.5KW	10	24				
FSNCIP-L-20	7.5KW	25	17	-0.65	3"	2.5"	95
	7.5KW	20	22				
	7.5KW	18	24				
	7.5KW	15	28				
	11.0KW	10	34				139
	11.0KW	5	38				
FSNCIP-L-30	11.0KW	35	19	-0.8	3"	2.5"	150
	11.0KW	30	24				
	11.0KW	25	30				
	11.0KW	21	33				
	15.0KW	16	38				163
	15.0KW	11	42				

FSNCIP SERIES

SELF-PRIMING PUMP DATA SHEET



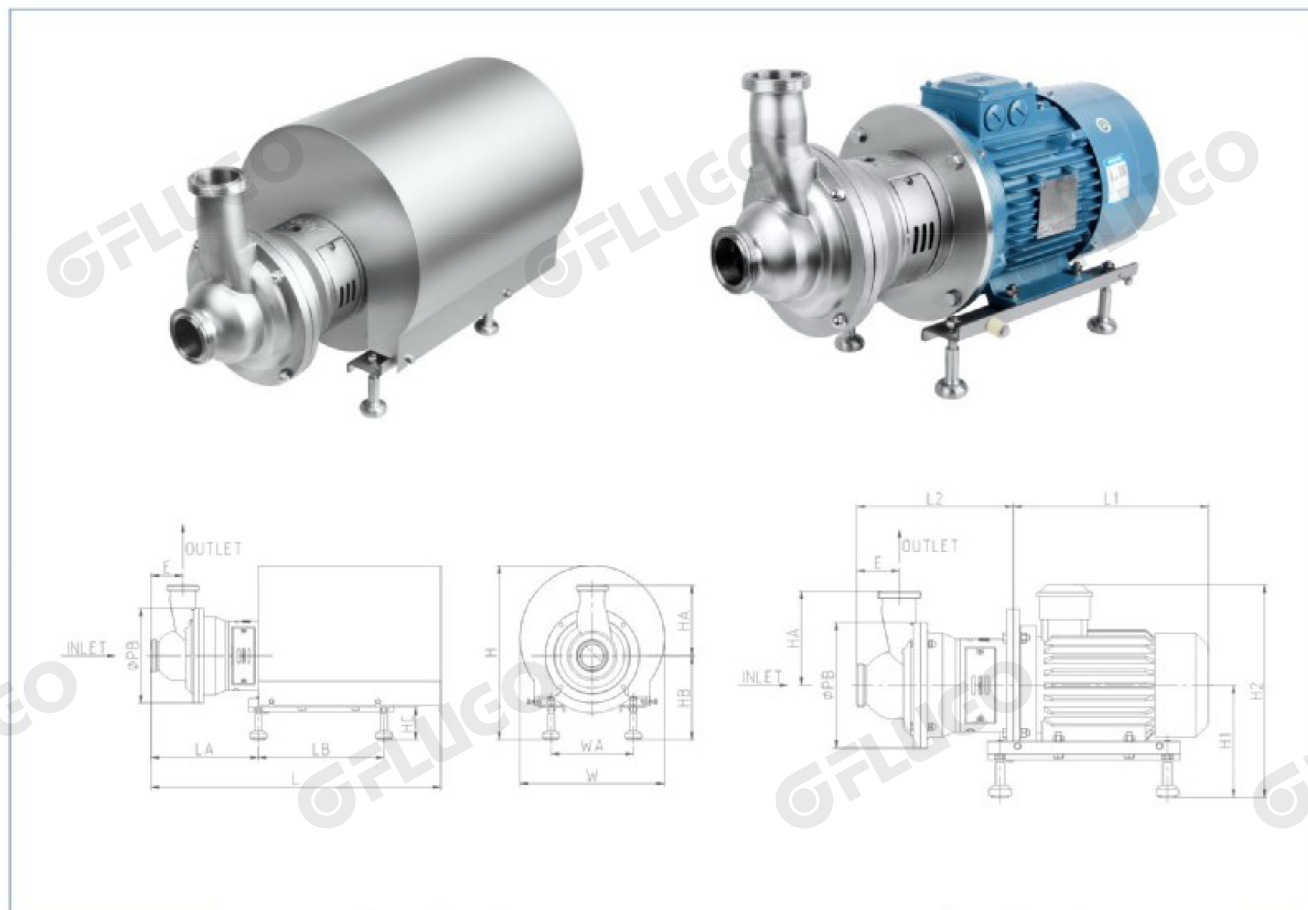
FSNCIP-U-priming pump with cover

FSNCIP-U-priming pump without cover

Assembly Dimension																	Connection way of inlet/outlet		
Model	(KW) Power	Inlet	Outlet	Inlet	L	LB	LC	H	HB	HC	W	WA	L1	L2	H1	H2	SMS (Thread)	(Clamp)	DIN (Thread)
FSNCIP-U-10	5.5	2.5"	2.5"	160	687	330	207	468	231	95	380	216	385	233.4	428	231	187	180	186
FSNCIP-U-20	7.5	2.5"	2.5"	160	698	370	219	468	231	95	380	216	425	245	434	231	203	196	204
	11	2.5"	2.5"	160	801	450	226	551	231	95	470	254	490	245	510	259	203	196	204
FSNCIP-U-30	11	2.5"	2.5"	160	805	450	231	561	260	95	470	254	490	274	510	259	211	202	210
	15	2.5"	2.5"	160	805	450	231	561	260	95	470	254	490	274	510	259	211	202	210

FSNCIP SERIES

SELF-PRIMING PUMP DATA SHEET

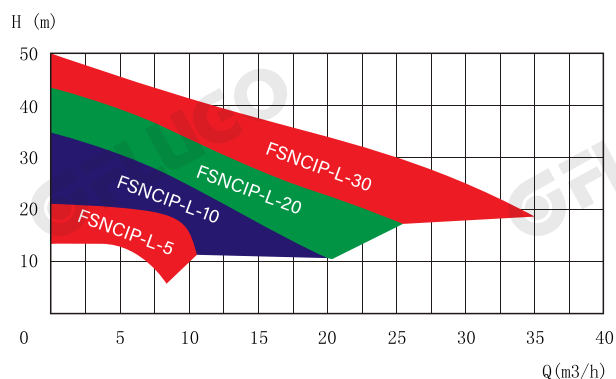


Assembly Dimension													Connection way of inlet/outlet							
Model	(KW) Power	Inlet	Outlet	LB	H	HB	HC	W	WA	L1	L2	H2	SMS union Connection				INCH Clamp Connection			
													E	LA	L	HA	E	LA	L	HA
FSNCIP-L-05	2.2	2"	2"	300	413	218.5	95	320	160	320	275	388	71	233	658	142	63.7	225.7	650.7	134.7
FSNCIP-L-05	3.0	2"	2"	300	413	218.5	95	320	160	320	275	388	71	233	658	142	63.7	225.7	650.7	134.7
FSNCIP-L-10	5.5	2.5"	2.5"	330	468	231	95	380	216	385	308	428	81	282	762	185	63.7	270.7	750	173.7
FSNCIP-L-20	7.5	3"	2.5"	370	468	227	95	380	216	425	329	434	97	303	780	204	84.7	290.7	768	192.7
FSNCIP-L-20	11.0	3"	2.5"	450	551	227	95	470	254	490	329	510	97	303	882	204	84.7	290.7	870	192.7
FSNCIP-L-30	11.0	3"	2.5"	450	551	260	95	470	254	490	356	510	97	313	885	211	84.7	300.7	873	199.7
FSNCIP-L-30	15.0	3"	2.5"	450	551	260	95	470	254	490	356	510	97	313	885	211	84.7	300.7	873	199.7

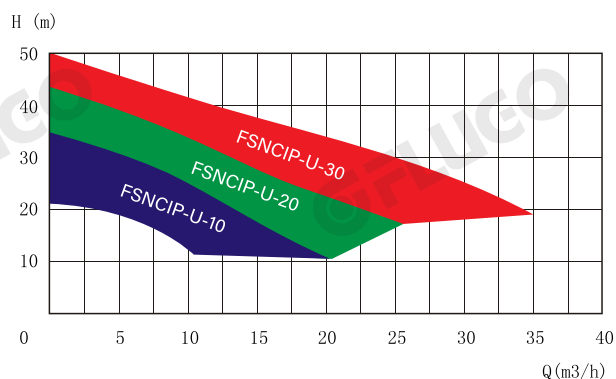
FSNCIP SERIES

SELF-PRIMING PUMP COMPREHENSIVE GRAPH

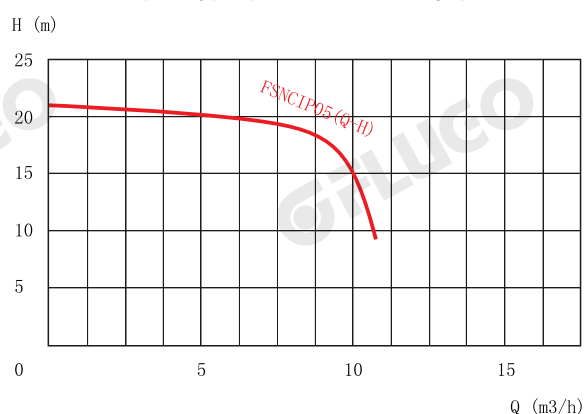
Self-priming pump (FSNCIP-L-10/20/30) H-Q graph



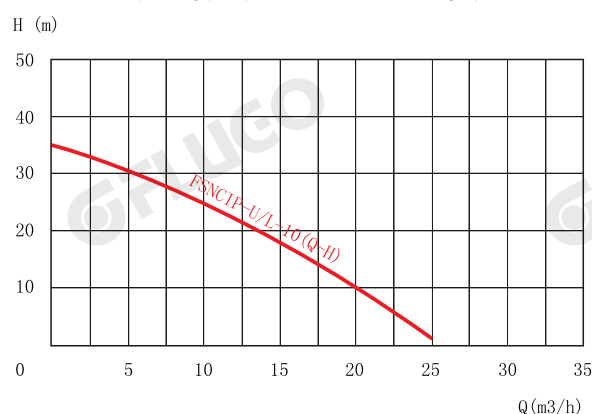
Self-priming pump (FSNCIP-U-10/20/30) H-Q graph



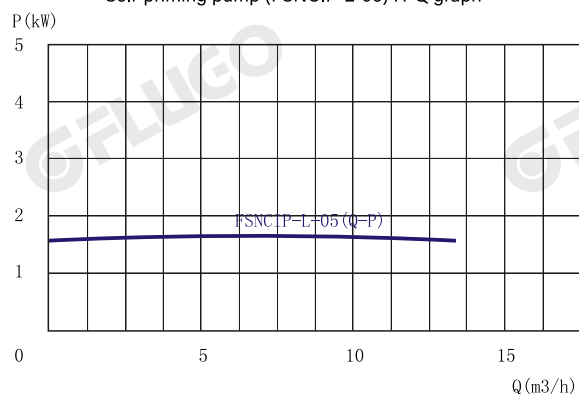
Self-priming pump (FSNCIP-L-05) H-Q graph



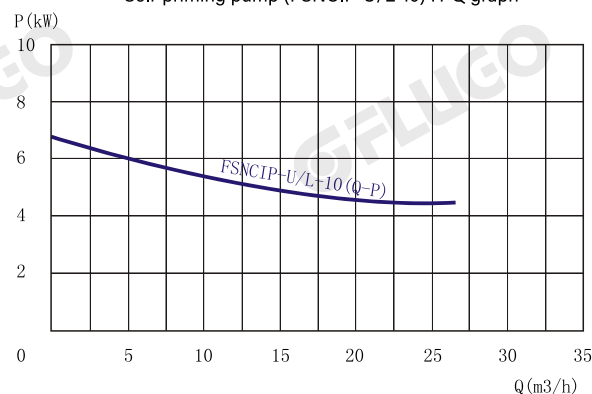
Self-priming pump (FSNCIP-U/L-10) H-Q graph



Self-priming pump (FSNCIP-L-05) H-Q graph



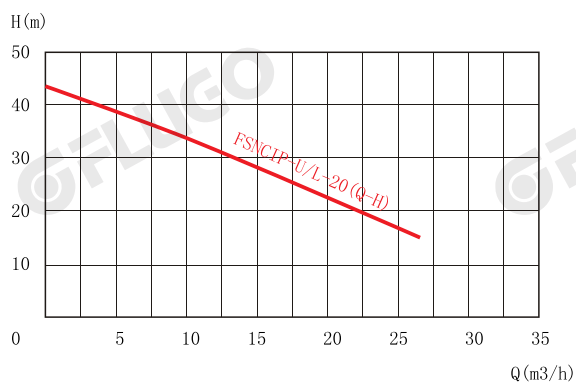
Self-priming pump (FSNCIP-U/L-10) H-Q graph



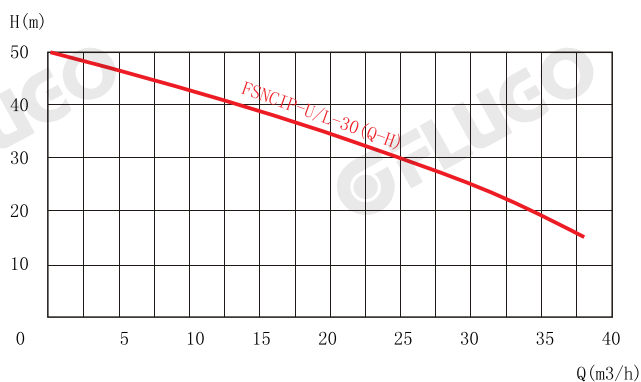
FSNCIP SERIES

SELF-PRIMING PUMP COMPREHENSIVE GRAPH

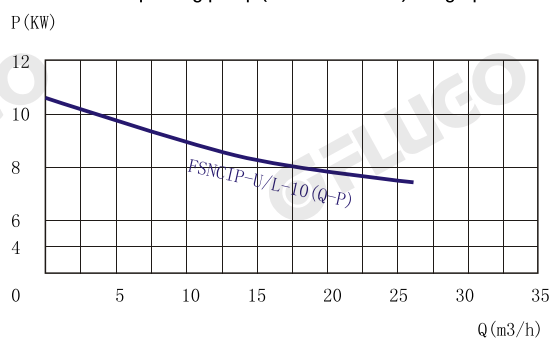
Self-priming pump (FSNCIP-U/L-20)H-Q graph



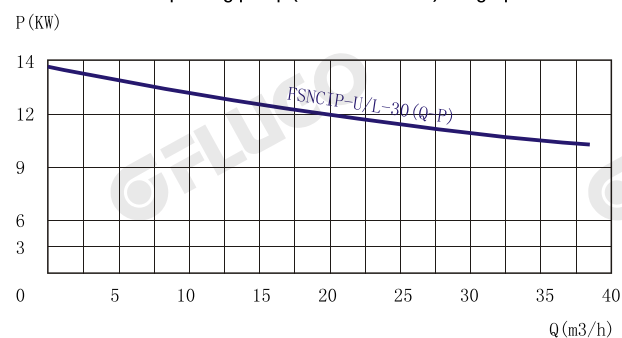
Self-priming pump (FSNCIP-U/L-30)H-Q graph



Self-priming pump (FSNCIP-U/L-20)H-P graph



Self-priming pump (FSNCIP-U/L-30)H-P graph



Testing condition: Medium water, temperature 20°C, impeller speed 2900RPM
Q-Flow rate (m³/h), H-head (meter), P-power (KW).





FSNCIP Series - Self-Priming Pump

Authorized Distributor