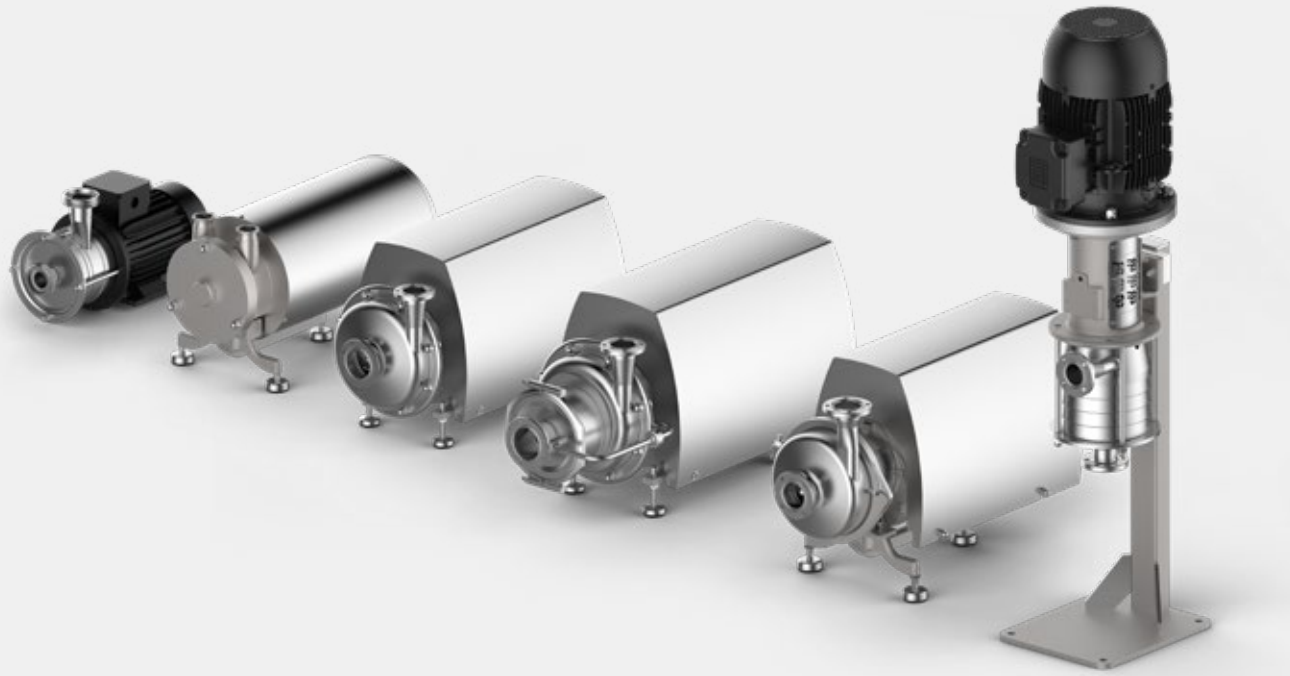


GEA Hilge ATO Program

GEA.com

Engineering for a better world.

What is the GEA Hilge ATO program?

ATO means assembly to order and on the following pages you can find our defined pump program with optimized delivery times.

All components are available from stock and only need to be assembled according to your order. You benefit from fast delivery.

ATO
Fast delivery

For further information please get in contact wih our regional pump experts:

- DACH-EE-NCE.Hilge@gea.com
- WE-MEA-LAM.Hilge@gea.com
- NAM.Hilge@gea.com
- APAC.Hilge@gea.com

GEA Hilge HYGIA

Single-stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
2 Pole	3×380–660V / 400–690V (50 Hz)	HYGIA I: 1.1–5.5 kW
IE3, IP55, Iso-F	3×460V (60 Hz)	HYGIA II: 3.0–18.5 kW

* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations

Sizes

HYGIA I HYGIA II

Impeller

Semi-open

Material liquid contact parts

316L (1.4404 / 1.4435)

Elastomer

EPDM, FKM

Connection options

Threads DIN 11851

Threads SMS (International)

Clamp DIN 32676 for pipe acc. to DIN 11866 range C (ASME/OD)

Flanges DIN 11864-2, row A, form A

Flanges APV FN1 (PN 10)

Connection sizes

HYGIA Size	DIN	ASME
HYGIA I	DN 40/40	1 ½"-1 ½"
	DN 50/50	2"-2"
HYGIA II	DN 65/65	2 ½"-2 ½"
	DN 80/80	3"-3"
	DN 100/100	4"-4"

Available ATO Executions / Configurations	
Surface roughness liquid contact parts	
Hygiene standard R_a ≤ 3.2 µm	
Increased hygiene standard Ra ≤ 0.8 µm[3)]	
Mechanical seal execution	
Single mechanical seal	
Single mechanical seal, flushed (quench)[2)]	
Mechanical seal materials[1)]	
Carbon / Stainless Steel / EPDM – Open spring defined direction	
Carbon / Stainless Steel / FKM – Open spring defined direction	
Carbon / Stainless Steel / EPDM – Spring loaded (vaccuum operation)	
Carbon / Stainless Steel / FKM – Spring loaded (vaccuum operation)	
SIC / SIC / EPDM – Open spring defined direction	
SIC / SIC / FKM – Open spring defined direction	
Carbon / Stainless Steel / EPDM – Encapsulated bi-directional	
Carbon / Stainless Steel / FKM – Encapsulated bi-directional	
SIC / SIC / EPDM – Encapsulated bi-directional	
SIC / SIC / FKM – Encapsulated bi-directional	
Design	
K: Pump in bloc execution with plug-in shaft	
Adapta: Pump in bloc execution with bearing bracket and standard motor	
Execution SUPER: Motor with stainless steel shroud	
Mounting	
Design K and Adapta	Execution SUPER
Motor foot	Combi foot
Cast iron foot	Machine pads
Combi foot	
Machine pads	
Motor Color	
RAL 9005	
Lantern	
HYGIA K: Stainless steel (cast)	
HYGIA Adapta: Cast iron	
Casing	
KLM (casing clamp ring)	
Documentation	
Operating manual	
Declaration of CE conformity	
Pump test report	

[1)] The elastomer of static seals are equal to the elastomer of the chosen mechanical seal
[2)] Only for HYGIA K
[3)] Only in combination with connections flange acc.to DIN 11864-2, row A, form A and clamp acc. to DIN 32676, row C

GEA Hilge TP

Single-stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
2 Pole	3×380–660V / 400–690V (50 Hz)	0.75–37 kW
IE3, IP55, Iso-F	3×460V (60 Hz)	0.75–37 kW

* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations

Sizes					
TP 1020 TP 1540 TP 2030 TP 2050 TP 2575 TP 3050 TP 5060 TP 7060 TP 8050 TP 8080					
Impeller					
Semi-open					
Material liquid contact parts					
316L (1.4404)					
Elastomer					
EPDM, FKM					
Connection options					
Threads DIN 11851					
Flange DIN 11864-2 row A, form A					
Threads SMS (International)					
Connection sizes					
TP Size	DIN	ASME	TP Size	DIN	ASME
TP 1020	DN 50/40	2"-1 ½"	TP 3050	DN 65/50–80/65	2 ½"-2" / 3"-2 ½"
TP 1540	DN 65/40	2 ½"-1 ½"	TP 5060	DN 80/65	3"-2 ½"
TP 2030	DN 50/40–65/50	2"-1 ½" / 2 ½"-2"	TP 7060	DN 80/80	3"-3"
TP 2050	DN 65/50	2 ½"-2"	TP 8050	DN 100/65–100/80	4"-2 ½" / 4"-3"
TP 2575	DN 65/50	2 ½"-2"	TP 8080	DN 100/80	4"-3"
Surface roughness liquid contact parts					
Hygiene standard $R_a \leq 3.2$ µm					
Mechanical seal execution					
Single mechanical seal					
Single mechanical seal, flushed (quench)					
Double mechanical seal, flushed (face-to-face)					
Mechanical seal materials**					
Carbon / SiC / EPDM					
SiC / SiC / EPDM					
Carbon / SiC / FKM					
SiC / SiC / FKM					
Design					
Pump with plug-in shaft					
Execution SUPER: Motor with stainless steel shroud					
Mounting					
Stainless steel adjustable feet					
Motor Color					
RAL 9005					
Lantern					
Cast iron					
Documentation					
Operating manual					
Declaration of CE conformity					
Pump test report					

** The elastomer of static seals are equal to the elastomer of the chosen mechanical seal

GEA Hilge CONTRA

Single or multi-stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
2 Pole	3×380–660V / 400–690V (50 Hz)	CONTRA I: 1.1–5.5 kW
IE3, IP55, Iso-F	3×460V (60 Hz)	CONTRA II: 4.0–18.5 kW

* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations

Sizes		
CONTRA I CONTRA II		
Impeller		
Semi-open		
Material liquid contact parts		
316L (1.4404 / 1.4435)		
Elastomer		
EPDM / FKM		
Connection options[1]		
Threads DIN 11851		
Clamp DIN 32676 for pipe acc. to DIN 11866, range C (ASME/OD)		
Flanges DIN 11864-2, row A, form A		
Flanges APV FN1 (PN 10)		
Connection sizes		
CONTRA Size	DIN	ASME
CONTRA I	DN 40/25	1 ½"-1"
	DN 40/40	1 ½"-1 ½"
CONTRA II	DN 50/50	2"-2"
	DN 65/65	2 ½"-2 ½"
Surface roughness liquid contact parts		
Hygiene standard $R_a \leq 3.2$ µm		
Mechanical seal execution		
Single mechanical seal		
Mechanical seal materials[2]		
CONTRA Size	Material	
CONTRA I	Carbon / Stainless Steel / EPDM – Open spring defined direction	
	Carbon / Stainless Steel / FKM – Open spring defined direction	
	SIC / SIC / EPDM – Open spring defined direction	
	SIC / SIC / FKM – Open spring defined direction	
CONTRA I + II	SIC / SIC / EPDM – Encapsulated spring bi-directional	
	SIC / SIC / FKM – Encapsulated spring bi-directional	
Design		
Adapta: Pump in bloc execution with bearing bracket and standard motor		
Execution SUPER: Motor with stainless steel shroud		
Mounting		
Design Adapta	Execution SUPER	
Combi foot	Combi foot	
Cast iron foot		
Motor Color		
RAL 9005		
Lantern		
Cast iron		
Documentation		
Operating manual		
Declaration of CE conformity		
Pump test report		

[1] Caution: Availability depending on system pressure!
[2] The elastomer of static seals are equal to the elastomer of the chosen mechanical seal

GEA Hilge SIPLA

Single-stage side-channel pump

Motor*		
Type	**Voltage / Frequency**	**Power**
4 Pole IE3, IP55, Iso-F	3×400V (50 Hz)	1.5–7.5 kW

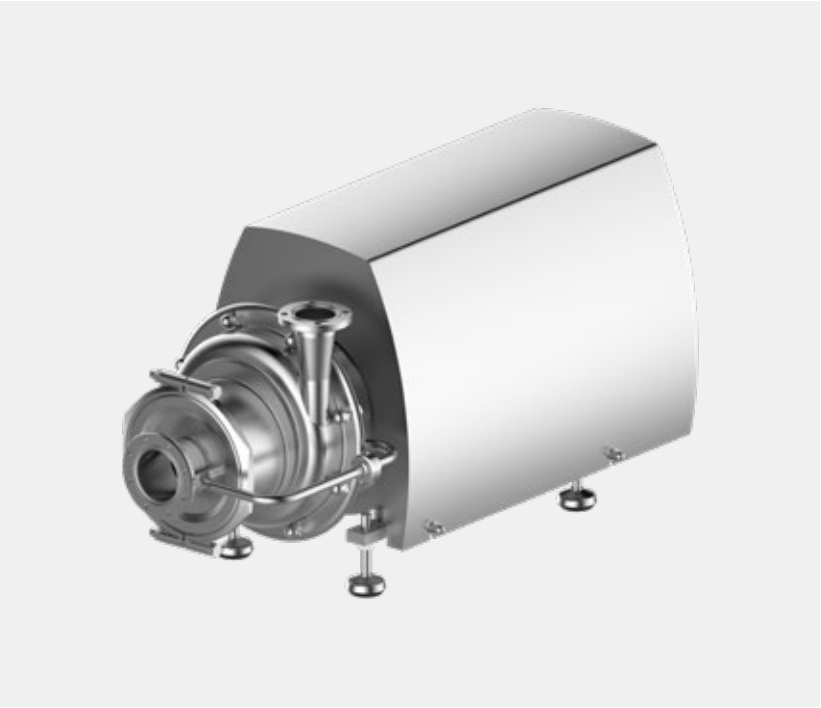
* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations				
Sizes				
SIPLA 6.1	SIPLA 12.1	SIPLA 18.1	SIPLA 28.1	SIPLA 52.1
Impeller				
Star impeller				
Material liquid contact parts				
Impeller and pump casing 316L (1.4404)				
Elastomer				
EPDM / FKM				
Connection options				
Threads DIN 11851				
Connection sizes				
SIPLA Size	DIN			
SIPLA 6.1	DN 40/40			
SIPLA 12.1	DN 40/40			
SIPLA 18.1	DN 50/50			
SIPLA 28.1	DN 65/65			
SIPLA 52.1	DN 65/65			
Surface roughness liquid contact parts				
Hygiene standard $R_a \leq 3.2$ µm				
Mechanical seal execution				
Single mechanical seal				
Single mechanical seal, flushed (quench)				
Mechanical seal materials**				
Carbon / Stainless Steel / EPDM – Encapsulated bi-directional				
Carbon / Stainless Steel / FKM – Encapsulated bi-directional				
SiC / SiC / EPDM – Encapsulated bi-directional				
SiC / SiC / FKM – Encapsulated bi-directional				
Design				
Bloc: Pump in bloc execution with extended shaft				
Execution SUPER: Motor with stainless steel shroud				
Mounting				
Design bloc: Motor foot				
Execution SUPER: Combi foot				
Motor Color				
RAL 9005				
Latern				
Cast iron				
Documentation				
Operating manual				
Declaration of CE conformity				
Pump test report				

** The elastomer of static seals are equal to the elastomer of the chosen mechanical seal

GEA Hilge TPS

Single stage centrifugal pump



Motor*

Type	Voltage / Frequency	Power
2 Pole	3×380–660V / 400–690V (50 Hz)	0.75–18.5 kW
IE3, IP55, Iso-F	3×460V (60 Hz)	

* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations		
Sizes		
TPS 2030	TPS 3050	
Impeller		
Semi-open		
Material liquid contact parts		
316L (1.4404)		
Elastomer		
EPDM / FKM		
Connection options		
Flange acc. to DIN 11864-2 row A, form A		
Threads SMS (International)		
Threads DIN 11851		
Connection sizes		
TPS Size	DIN	ASME
TPS 2030	DN 65/40	2 ½”-1 ½”
TPS 3050	DN 65/50	2 ½"-2"
Surface roughness liquid contact parts		
Hygiene standard $R_a \leq 3.2$ µm		
Mechanical seal execution		
Single mechanical seal		
Single mechanical seal, flushed (quench)		
Double mechanical seal, flushed (face-to-face)		
Mechanical seal materials**		
Carbon / SiC / EPDM		
SiC / SiC / EPDM		
Carbon / SiC / FKM		
SiC / SiC / FKM		
Design		
Pump with plug-in shaft		
Execution SUPER: Motor with stainless steel shroud		
Mounting		
Stainless steel adjustable feet		
Motor Color		
RAL 9005		
Lantern		
Cast iron		
Documentation		
Operating manual		
Declaration of CE conformity		
Pump test report		

** The elastomer of static seals are equal to the elastomer of the chosen mechanical seal

GEA Hilge DURIETTA

Single stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
IE3, IP55, Iso-F	3×220–240V (50 Hz) 3×460V (60 Hz)	DURIETTA 0: 0.25 kW 4-pole and 0.55–2.2 kW 2-pole
	3×230–400V (50 Hz)	DURIETTA I: 0.75–1.1 kW 2-pole

* Pumps are fitted with motor of a brand of our choice

Available ATO Executions / Configurations	
Sizes	
DURIETTA 0	DURIETTA I
Impeller	
Semi-open	
Material liquid contact parts	
316L (1.4404)	
Elastomer	
EPDM / FKM	
Connection options	
DURIETTA 0	Threads SMS (international)
	Threads DIN 11851
DURIETTA I	Flanges EN 1092-1 (PN 10)
Connection sizes	
DURIETTA SIze	DIN
DURIETTA 0	DN 32/25
	DN 25/25
DURIETTA I	DN 40/25
	DN 25/25
Surface roughness liquid contact parts	
Hygiene standard $R_a \leq 3.2$ µm	
Mechanical seal execution	
Single mechanical seal	
Mechanical seal materials**	
Carbon / Stainless Steel / EPDM – Open spring	
Carbon / Stainless Steel / FKM – Open spring	
SiC / SiC / EPDM – Open spring	
SiC / SiC / FKM – Open spring	
Design	
DURIETTA 0	Design K: Pump in bloc execution with plug-in shaft
	Execution SUPER: Motor with stainless steel shroud
DURIETTA I	Design bloc: Pump in bloc execution with extended shaft
Mounting	
K and bloc	Execution SUPER
Machine pads	Machine pads
Motor foot	
Motor Color	
RAL 9005	
Lantern	
DURIETTA 0: 316L (1.4404)	
DURIETTA I: Cast Iron	
Documentation	
Operating manual	
Declaration of CE conformity	
Pump test report	

** The elastomer of static seals are equal to the elastomer of the chosen mechanical seal

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