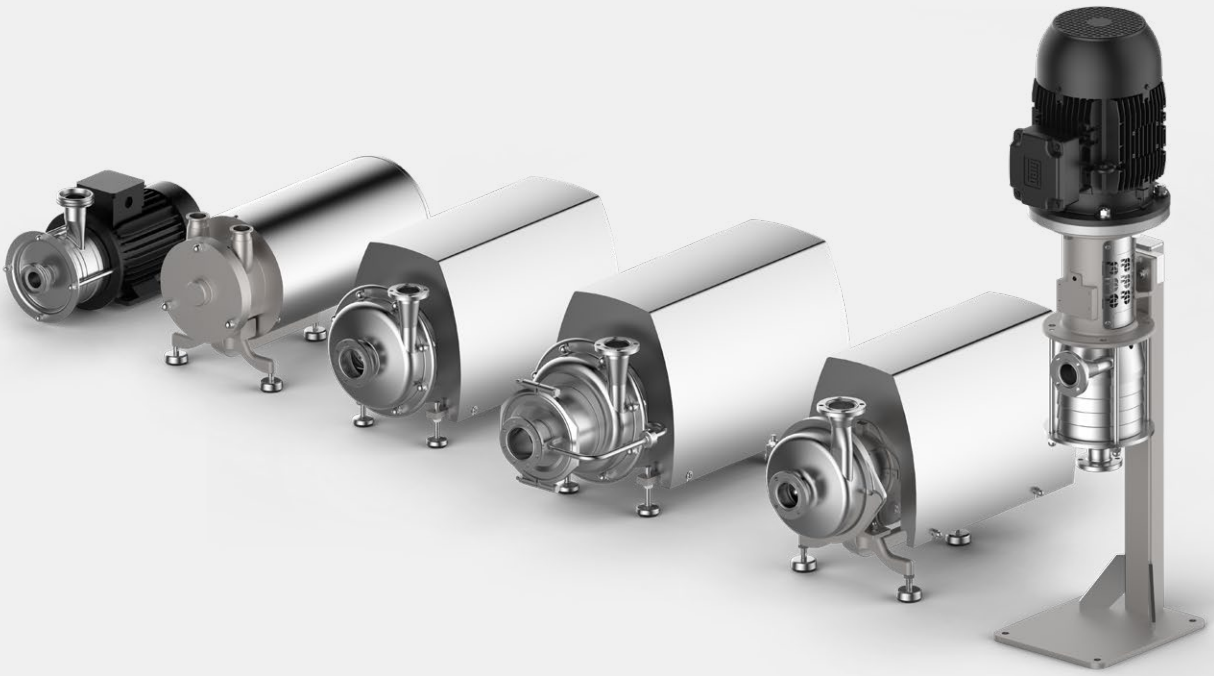

GEA Hilge ATO Program

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
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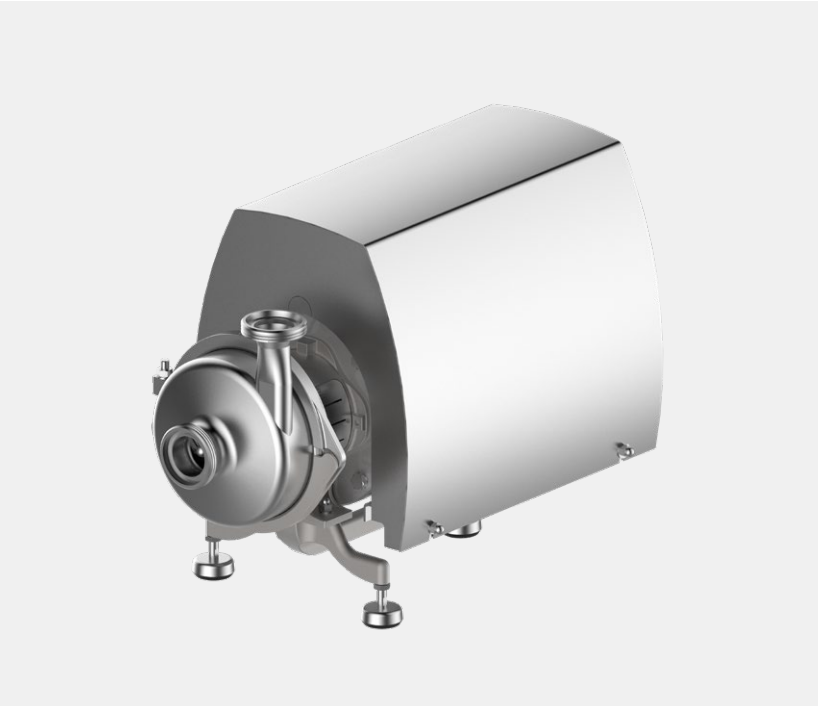
GEA Hilge HYGIA

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

Connection type	Connection standard	Pipe standard
Thread	DIN 11851	DIN
Thread	SMS	ASME - OD
Clamp	DIN 32676	DIN/ ISO/ ASME - OD
Flange	DIN 11864-2 / DIN 11853-2, Grooved Flange, Form A	DIN/ ISO/ ASME - OD
Flange	APV FN PN 10	DIN

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	
K and Adapta	K and Adapta SUPER
Combi foot	Combi foot
Adjustable feet	Machine pads
Motor foot	
Cast iron foot	
Motor Color	
RAL 9005	
Lantern / Bearing bracket	
K: Stainless steel	
Adapta: Cast iron	
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, pipe standard DIN, form A and clamp acc. to DIN 32676, pipe standard ASME-OD

GEA Hilge TP

Single-stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
2 Pole IE3, IP55, Iso-F	3×220/380V – 415/720V (50 Hz)	0.75–37 kW**
	3×400/690V (50 Hz)	7.5 and 15 kW
	3×265/460 V – 460/800 V(60 Hz)	0.75–37 kW

* Pumps are fitted with motor of a brand of our choice
** Except 7.5 and 15 kW

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		
Connection type	Connection standard	Pipe standard
Thread	DIN 11851	DIN
Thread	SMS	ASME - OD
Flange	DIN 11864-2 / DIN 11853-2 Grooved Flange Form A	DIN

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[1)]
Carbon / SiC / EPDM
SiC / SiC / EPDM
Carbon / SiC / FKM
SiC / SiC / FKM

Design
K: Pump in bloc execution with plug-in shaft
Execution SUPER: Motor with stainless steel shroud

Mounting
Adjustable feet

Motor Color
RAL 9005

Lantern
Cast iron

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

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]		
Connection type	Connection standard	Pipe standard
Thread	DIN 11851	DIN
Clamp	DIN 32676	DIN/ ISO/ ASME - OD
Flange	DIN 11864-2 / DIN 11853-2, Grooved Flange, Form A	DIN/ ISO
Flange	APV FN PN 10	DIN
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[3]		
Adapta	Adapta SUPER	
Combi foot	Combi foot	
Cast iron foot		
Motor Color		
RAL 9005		
Bearing bracket		
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
[3] only in horizontal execution

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						
Bloc:	SIPLA 3.1	SIPLA 6.1	SIPLA 12.1	SIPLA 18.1	SIPLA 28.1	SIPLA 52.1
Adapta:	SIPLA 3.1	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						
Connection type	Connection standard	Pipe standard				
Thread	DIN 11851	DIN				
Connection sizes						
SIPLA Size	DIN					
SIPLA 3.1	DN 32/32					
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[1]						
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						
Bloc and Adapta	Bloc SUPER and Adapta SUPER					
Combi foot	Combi foot[2]					
Motor foot						
Motor Color						
RAL 9005						
Bearing bracket						
Cast iron						
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] SIPLA 3.1 on Combi foot only for Adapta

GEA Hilge TPS

Single stage centrifugal pump

Motor*

Type	Voltage / Frequency	Power
2 Pole IE3, IP55, Iso-F	3×220/380 V – 415/720 V (50 Hz)	0.75–37 kW**
	3×400/690 V (50 Hz)	7.5 and 15 kW
	3×266/460 V; 460/800 V (60 Hz)	0.75–37 kW

* Pumps are fitted with motor of a brand of our choice
** Except 7.5 and 15 kW

Available ATO Executions / Configurations			
Sizes			
TPS 2030	TPS 3050		
Impeller			
Semi-open			
Material liquid contact parts			
316L (1.4404)			
Elastomer			
EPDM / FKM			
Connection options			
Connection type	Connection standard	Pipe standard	
Thread	DIN 11851	DIN	
Thread	SMS	ASME - OD	
Flange	DIN 11864-2 / DIN 11853-2 Grooved Flange Form A	DIN	
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[1)]			
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			
Adjustable feet			
Motor Color			
RAL 9005			
Lantern			
Cast iron			
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

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			
	Connection type	Connection standard	Pipe standard
DURIETTA 0	Thread	DIN 11851	DIN
	Thread	SMS	ASME - OD
DURIETTA I	Flange	EN 1092-1 PN 10	DIN
Connection sizes			
	DIN	ASME - OD	
DURIETTA 0	DN 25/25	1"/1"	
	DN 32/25	–	
DURIETTA I	DN 25/25	1"/1"	
	DN 40/25	1.5"/1"	
DURIETTA I SUPER			
Surface roughness liquid contact parts			
Hygiene standard $R_a \leq 3.2$ µm			
Mechanical seal execution			
Single mechanical seal			
Mechanical seal materials[1)]			
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			
DURIETTA 0	DURIETTA I		
Motor foot	Motor foot		
	Stainless steel ball feet		
Motor Color			
RAL 9005			
Lantern			
DURIETTA 0: 316L (1.4404)			
DURIETTA I: Cast Iron			
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

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