

Vapour Recovery Pump

MODELS

8014
8012



FEATURES

- Piston or Diaphragm Technology
- ATEX approval
- Single/Double Headed Motor Driven or Motorless
- Robust and Stable Performance
- Proven Quality
- E85 compatible

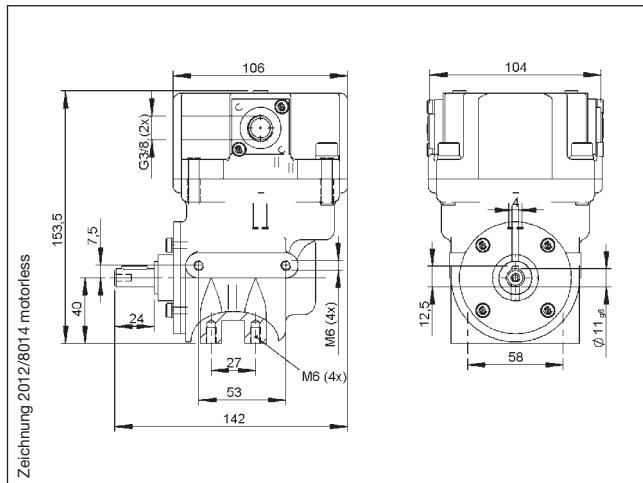
TYPICAL APPLICATIONS

- Stage II Vapour Recovery (Each pump head designed to recover vapour from one fuel dispenser nozzle)



Vapour Recovery Pump 8014 Motorless

Flow	52 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8014 Motorless
Pump Technology	Piston
Max. flow	52 l/min at 3000 RPM
Max. differential pressure	-650 mbar

Electrical Data

Motor type	-
Explosion protection	-
Nominal voltage	-
Nominal speed	-
Max. current consumption	-
Motor rating	-
Motor insulation class	-
Protection class	-
Thermal protector	-
Integrated start/stop relay	-

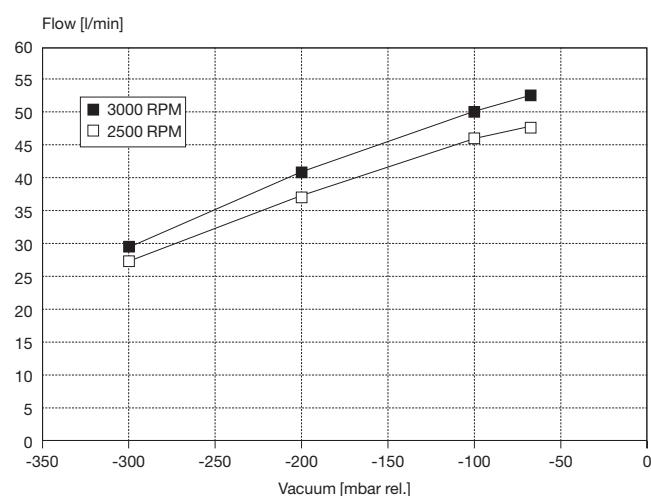
General Data

Ambient temperature	-40 to +60 °C
Atex approval number	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3
Ex protection system	EXII G II A
Integrated flame arrestors	yes
Weight	4,5 kg
Max. speed	3500 RPM

All listed flow values are measured against a simultaneous pressure of +200 mbar.

Integrated internal relief valve is set at a differential pressure of 650 mbar. Inlet / outlet positions changeable through 90° steps.

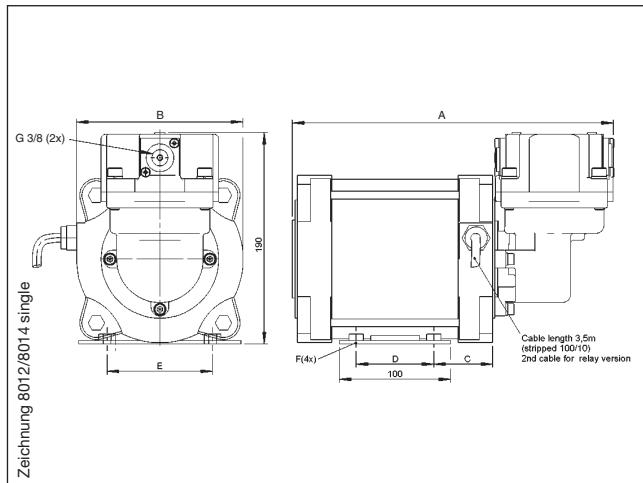
Flow Curves



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Vapour Recovery Pump 8014 Single

Flow	51 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8014 Single	8014 Single	8014 Single
Pump Technology	Piston	Piston	Piston
Max. flow	51 l/min	51 l/min	51 l/min
Max. differential pressure	-650 mbar	-650 mbar	-650 mbar

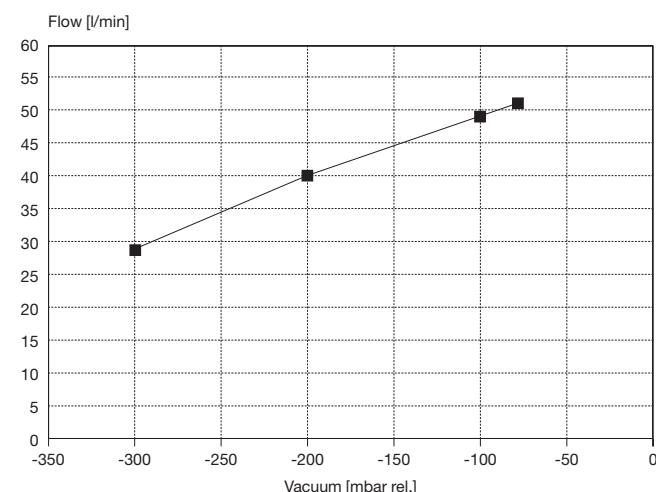
Electrical Data

Motor type	Three-phase	Capacitor (internal)	Three-phase
Explosion protection	EEEx II 2G T3	EEEx II 2G T3	EEEx II 2G T3
Nominal voltage	380-420 V 50 Hz	230 ±10% V 50 Hz	380-420 V 50 Hz
Nominal speed	2730 rpm	2850 rpm	2850 rpm
Max. current consumption	0,4 A	1,1 A	0,9
Motor rating	120 W	180 W	180 W
Motor insulation class	F	F	F
Protection class	IP 54	IP 54	IP 54
Thermal protector	no	automatic reset	automatic reset
Integrated start/stop relay	no	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC

General Data

Ambient temperature	-40 to +60 °C	-40 to +60 °C	-40 to +60 °C
Atex approval number	PTB 05 ATEX 4007	PTB 05 ATEX 4007	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3	EXII 1/2 G II A T3	EXII 1/2 G II A T3
Ex protection system	EXII G II A	EXII G II A	EXII G II A
Integrated flame arrestors	yes	yes	yes
Dimensions A, B, C	291 mm, 108 mm, 52,5 mm	345mm, 150mm, 82,5mm	290 mm, 150 mm, 53 mm
Dimensions D, E, F	71 mm, 90 mm, Ø 6 mm	70 mm, 95 mm, M6	70 mm, 95 mm, M6
Weight	9,3 kg	16,1 kg	15,9 kg

Flow Curves



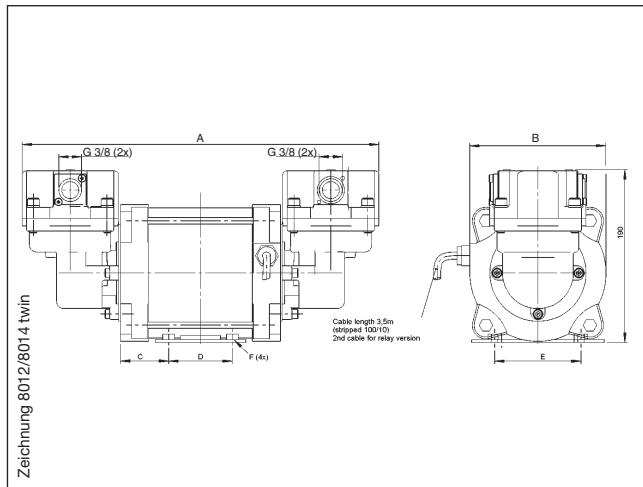
All listed flow values are measured against a simultaneous pressure of +200 mbar.

Integrated internal relief valve is set at a differential pressure of 650 mbar. Inlet / outlet positions changeable through 90° steps. Other motor or relay voltages on request.

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Vapour Recovery Pump 8014 Twin

Flow (per head)	51 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8014 Twin	8014 Twin	8014 Twin
Pump Technology	Piston	Piston	Piston
Max. flow (per head)	51 l/min	51 l/min	51 l/min
Max. differential pressure	-650 mbar	-650 mbar	-650 mbar

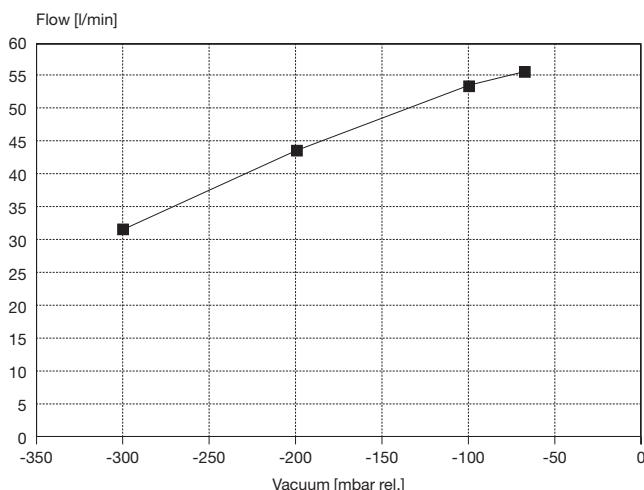
Electrical Data

Motor type	Capacitor (internal)	Three-phase	Three-phase
Explosion protection	EEExd II 2G T3	EEExd II 2G T3	EEExd II 2G T3
Nominal voltage	230 ±10% V 50 Hz	380-420 V 50 Hz	380-420 V 50 Hz
Nominal speed	2850 rpm	2850 rpm	2940 rpm
Max. current consumption	3,0 A	1,0 A	0,9 A
Motor rating	370 W	370 W	370 W
Motor insulation class	F	F	F
Protection class	IP 54	IP 54	IP 55
Thermal protector	automatic reset	automatic reset	automatic reset
Integrated start/stop relay	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC

General Data

Ambient temperature	-40 to +60 °C	-40 to +60 °C	-40 to +60 °C
Atex approval number	PTB 05 ATEX 4007	PTB 05 ATEX 4007	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3	EXII 1/2 G II A T3	EXII 1/2 G II A T3
Ex protection system	EXII G II A	EXII G II A	EXII G II A
Integrated flame arrestors	yes	yes	yes
Dimensions A, B, C	449 mm, 150 mm, 53 mm	394 mm, 150 mm, 82,5 mm	438 mm, 154 mm, 49 mm
Dimensions D, E, F	70 mm, 95 mm, M6	70 mm, 95 mm, M6	100 mm, 125 mm, Ø 9,5 mm
Weight	20,6 kg	20,4 kg	21,2 kg

Flow Curves



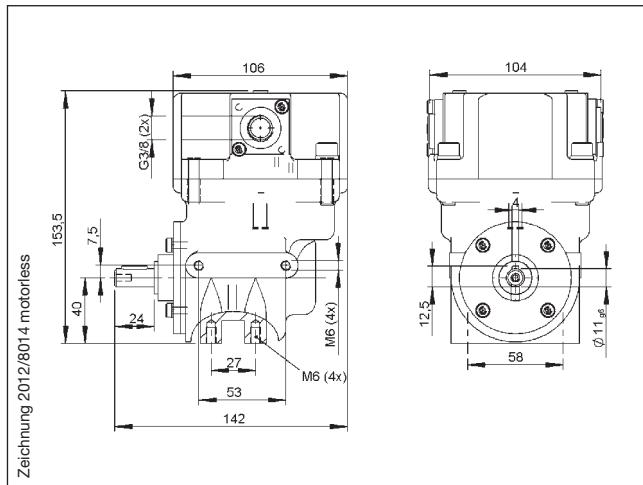
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Vapour Recovery Pump 8012 Motorless

Flow	52 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8012 Motorless
Pump Technology	Diaphragm
Max. flow	52 l/min at 3000 RPM
Max. differential pressure	-650 mbar

Electrical Data

Motor type	-
Explosion protection	-
Nominal voltage	-
Nominal speed	-
Max. current consumption	-
Motor rating	-
Motor insulation class	-
Protection class	-
Thermal protector	-
Integrated start/stop relay	-

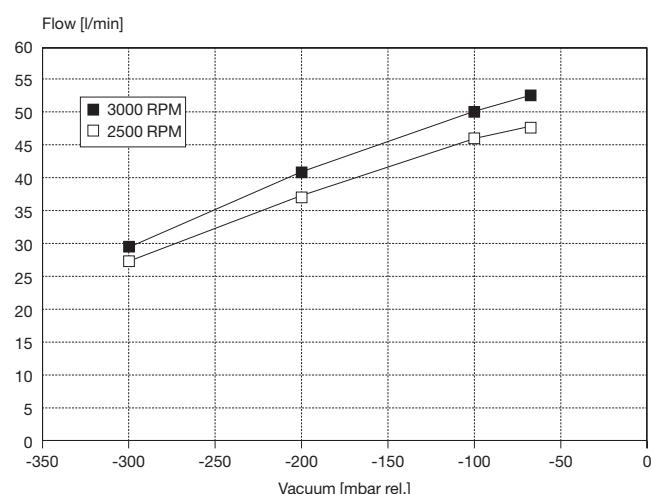
General Data

Ambient temperature	-20 to +60 °C
Atex approval number	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3
Ex protection system	EXII G II A
Integrated flame arrestors	yes
Weight	4,5 kg
Max. speed	3500 RPM

All listed flow values are measured against a simultaneous pressure of +200 mbar.

Integrated internal relief valve is set at a differential pressure of 650 mbar. Inlet / outlet positions changeable through 90° steps.

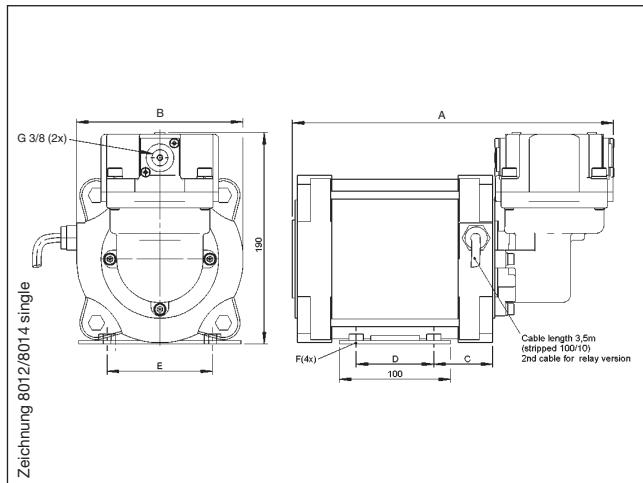
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Vapour Recovery Pump 8012 Single

Flow	51 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8012 Single	8012 Single	8012 Single
Pump Technology	Diaphragm	Diaphragm	Diaphragm
Max. flow	51 l/min	51 l/min	51 l/min
Max. differential pressure	-650 mbar	-650 mbar	-650 mbar

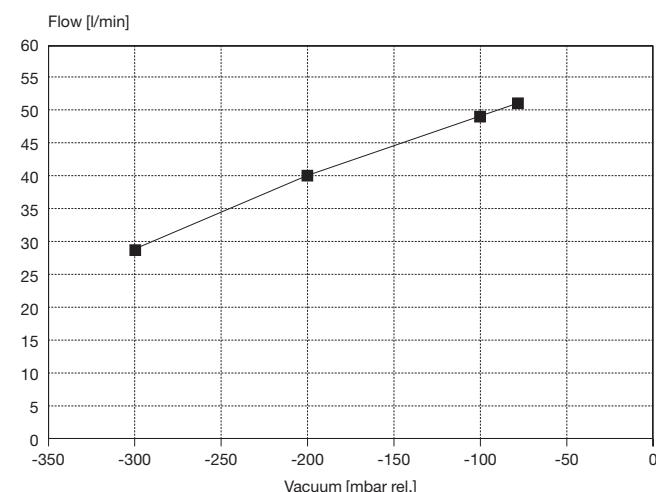
Electrical Data

Motor type	Three-phase	Capacitor (internal)	Three-phase
Explosion protection	EEEx II 2G T3	EEEx II 2G T3	EEEx II 2G T3
Nominal voltage	380-420 V 50 Hz	230 ±10% V 50 Hz	380-420 V 50 Hz
Nominal speed	2730 rpm	2850 rpm	2850 rpm
Max. current consumption	0,4 A	1,1 A	0,9
Motor rating	120 W	180 W	180 W
Motor insulation class	F	F	F
Protection class	IP 54	IP 54	IP 54
Thermal protector	no	automatic reset	automatic reset
Integrated start/stop relay	no	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC

General Data

Ambient temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Atex approval number	PTB 05 ATEX 4007	PTB 05 ATEX 4007	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3	EXII 1/2 G II A T3	EXII 1/2 G II A T3
Ex protection system	EXII G II A	EXII G II A	EXII G II A
Integrated flame arrestors	yes	yes	yes
Dimensions A, B, C	291 mm, 108 mm, 52,5 mm	345mm, 150mm, 82,5mm	290 mm, 150 mm, 53 mm
Dimensions D, E, F	71 mm, 90 mm, Ø 6 mm	70 mm, 95 mm, M6	70 mm, 95 mm, M6
Weight	9,3 kg	16,1 kg	15,9 kg

Flow Curves



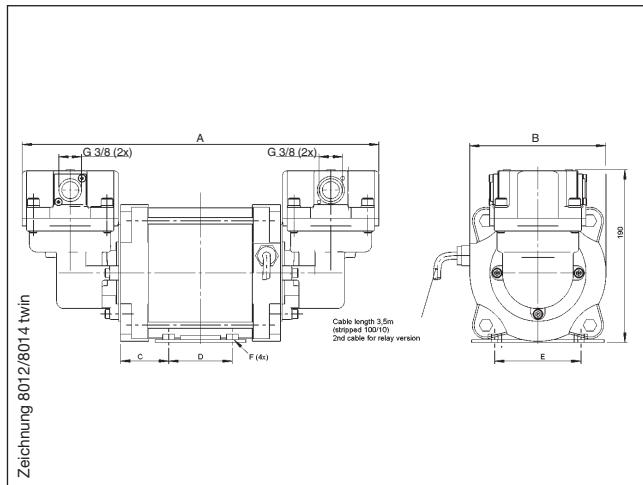
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Vapour Recovery Pump 8012 Twin

Flow (per head)	51 l/min
Max. differential pressure	-650 mbar



Pneumatic Data

Description	8012 Twin	8012 Twin	8012 Twin
Pump Technology	Diaphragm	Diaphragm	Diaphragm
Max. flow (per head)	51 l/min	51 l/min	51 l/min
Max. differential pressure	-650 mbar	-650 mbar	-650 mbar

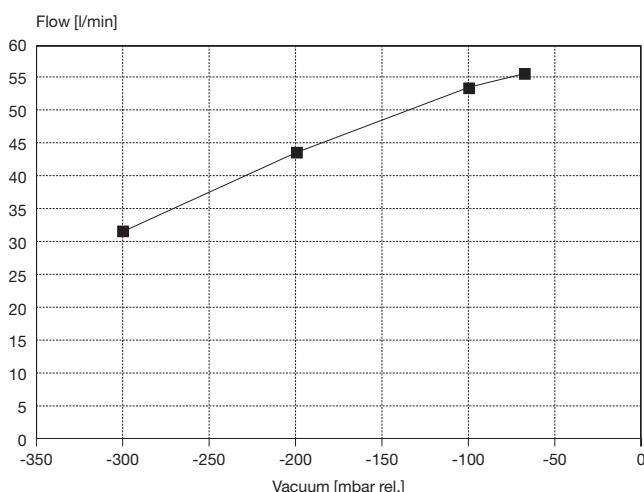
Electrical Data

Motor type	Capacitor (internal)	Three-phase	Three-phase
Explosion protection	EEExd II 2G T3	EEExd II 2G T3	EEExd II 2G T3
Nominal voltage	230 ±10% V 50 Hz	380-420 V 50 Hz	380-420 V 50 Hz
Nominal speed	2850 rpm	2850 rpm	2940 rpm
Max. current consumption	3,0 A	1,0 A	0,9 A
Motor rating	370 W	370 W	370 W
Motor insulation class	F	F	F
Protection class	IP 54	IP 54	IP 55
Thermal protector	automatic reset	automatic reset	automatic reset
Integrated start/stop relay	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC	24 V AC / 24 V DC / 230 V AC

General Data

Ambient temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Atex approval number	PTB 05 ATEX 4007	PTB 05 ATEX 4007	PTB 05 ATEX 4007
Ex protection pump	EXII 1/2 G II A T3	EXII 1/2 G II A T3	EXII 1/2 G II A T3
Ex protection system	EXII G II A	EXII G II A	EXII G II A
Integrated flame arrestors	yes	yes	yes
Dimensions A, B, C	449 mm, 150 mm, 53 mm	394 mm, 150 mm, 82,5 mm	438 mm, 154 mm, 49 mm
Dimensions D, E, F	70 mm, 95 mm, M6	70 mm, 95 mm, M6	100 mm, 125 mm, Ø 9,5 mm
Weight	20,6 kg	20,4 kg	21,2 kg

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