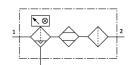
## Desiccant air dryer PDAD-100-G1/2 Part number: 552175

**FESTO** 





General operating condition

Horizontal  Structural design Cold-regenerating adsorption dryer Symbol O0992135 Inlet pressure 1 4 bar 16 bar Power consumption at 24 VDC Power consumption with 230 VAC 16 VA Contamination level CE marking (see declaration of conformity) as per EU pressure equipment directive As per EU BEMC directive As per EU How voltage directive UKCA marking (see declaration of conformity) according to UK regulations for pressure equipment To UK instructions for electrical equipment Information on operating and pilot media Operating medium Compressed air as per ISO 8573-1:2010 [6:-4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form Pressure dew point for reduced rate of flow OF Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformly VDMA24364-B1/B2-L Storage temperature Air quality class at the output Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 ° C 50 ° C Degree of protection Protection class II Overvoltage category II Ambient temperature 5 ° C 50 ° C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, nonception pins/wires 3 Electrical connection 1, occnection to pins/wires 2 Electrical connection 1, occnection pins/wires 3 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC	Feature	Value
Inlet pressure 1 4 bar 16 bar Power consumption at 24 VDC 9.6 W Power consumption with 230 VAC 16 VA Contamination level 2 KC characters KC Em Riving (See declaration of conformity) 2 bar EU pressure equipment directive As per EU eMC directive As per EU eMC directive As per EU over votage votage directive As per EU over votage vota	Mounting position	
Inlet pressure 1  A bar 16 bar  Power consumption at 24 VDC  Power consumption with 230 VAC  Contamination level  K CEMC  KEMC  CE marking (see declaration of conformity)  BUKCA marking (see declaration of conformity)  WIKCA marking (see declaration of conformity)  BUKCA marking (see declaration of conformity)  WIKCA marking (see declaration of conformity)  BUKCA marking (see declaration of con	Structural design	Cold-regenerating adsorption dryer
Power consumption at 24 VDC Power consumption with 230 VAC 16 VA Contamination level 2 KC characters As per EU low voltage directive As per EU low voltage direc	Symbol	00992135
Power consumption with 230 VAC Contamination level  Contamination level  Compressed air as per ISU service of Protection class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Protection class  III  Ambient temperature  Socket Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 2, function  Power supply DC  Electrical connection 1, connection type  Electrical connection 2, function  Power supply DC  Expectation of conformity power supply DC  Electrical connection 1, connection type Selection as power supply DC  Electrical connection 1, connection 1, connection 1, connection of pins/wires  Electrical connection 1, connection of pins/wires  Electrical connection 1, connection of pins/wires  Electrical connection 1, function  Power supply DC  Electrical connection 1, function  Power supply DC	Inlet pressure 1	4 bar 16 bar
Contamination level  KC Characters  KC EMC  CE marking (see declaration of conformity)  As per EU pressure equipment directive As per EU low voltage directive  UKCA marking (see declaration of conformity)  To UK instructions for PMC To UK instructions for PMC To UK instructions for electrical equipment To UK instructions for electrical equipment Operating medium  Compressed air as per ISO 8573-1:2010 [6:-4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form  Pressure dew point  -40 °C  -70 °C  Corrosion resistance class (CRC) 2 · Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Storage temperature -20 °C 60 °C  Air quality class at the output Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium 2 °C 50 °C  Temperature of medium 2 °C 50 °C  Temperature of medium 2 °C 50 °C  Temperature of medium 5 °C 50 °C  Temperature of medium Convervoltage category II Ambient temperature 5 °C 50 °C  Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, councetion Power supply DC	Power consumption at 24 VDC	9.6 W
KC characters  KC EMC  CE marking (see declaration of conformity)  as per EU pressure equipment directive As per EU bow voltage directive As per EU bow voltage directive  UKCA marking (see declaration of conformity)  according to UK regulations for pressure equipment To UK instructions for EMC To UK instructions for electrical equipment  Operating medium  Compressed air as per ISO 8573-1:2010 [6:-:4]  Information on operating and pilot media  Operation with oil lubrication not possible no water in liquid form  Pressure dew point  -40 °C  Pressure dew point for reduced rate of flow -70 °C  Corrosion resistance class (CRC)  2 · Moderate corrosion stress  UABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature -20 °C 60 °C  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C  Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium 2 °C 50 °C  Degree of protection  Protection class  II  Overvoltage category  II  Ambient temperature 5 °C 50 °C  Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3  Electrical connection 1, number of pins/wires 2  Electrical connection 1, cocupied pins/wires 2  Electrical connection 1, function Power supply DC	Power consumption with 230 VAC	16 VA
as per EU pressure equipment directive As per EU EMC directive As per EU EMC directive As per EU EMC directive UKCA marking (see declaration of conformity)  according to UK regulations for pressure equipment To UK instructions for EMC To UK instructions for electrical equipment Operating medium  Compressed air as per ISO 8573-1:2010 [6:-4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form  Pressure dew point  -40 °C  Pressure dew point for reduced rate of flow -70 °C  Corrosion resistance class (CRC) 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Storage temperature -20 °C 60 °C  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70 °C  Compressed air as per ISO 8573-1:2010 [2:1:2] at -40 °C  Temperature of medium 2 °C 50 °C  Degree of protection IP65  Protection class II  Overvoltage category II  Ambient temperature 5 °C 50 °C  Product weight 47000 g  Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3 Electrical connection 1, number of pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, coucpied pins/wires 2 Electrical connection 1, coucpied pins/wires 2 Electrical connection 2, function Power supply DC	Contamination level	2
As per EU EMC directive As per EU Low voltage directive UKCA marking (see declaration of conformity)  according to UK regulations for pressure equipment To UK instructions for EMC To UK instructions for electrical equipment Operating medium  Compressed air as per ISO 8573-1:2010 [6:-4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form  Pressure dew point -40 °C Pressure dew point for reduced rate of flow -70 °C Corrosion resistance class (CRC) 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -20 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium 2 °C 50 °C  Degree of protection IP65 Protection class II Overvoltage category II Ambient temperature 5 °C 50 °C Product weight 47000 g Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3 Electrical connection 1, number of pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC	KC characters	KC EMC
To UK instructions for EMC To UK instructions for electrical equipment  Compressed air as per ISO 8573-1:2010 [6::4]  Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form  Pressure dew point -40 °C Pressure dew point For reduced rate of flow -70 °C  Corrosion resistance class (CRC) 2 · Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Storage temperature -20 °C · · · 60 °C  Air quality class at the output Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium 2 °C · · · 50 °C  Degree of protection IP65  Protection class II  Overvoltage category II  Ambient temperature 5 °C · · · 50 °C  Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3  Electrical connection 1, number of pins/wires 2  Electrical connection 1, occupied pins/wires 2  Electrical connection 2, function Power supply DC	CE marking (see declaration of conformity)  UKCA marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive
Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form  Pressure dew point Pressure dew point for reduced rate of flow -70 °C Corrosion resistance class (CRC) 2 - Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium 2 °C 50 °C  Temperature of medium 1P65 Protection class II Overvoltage category II Ambient temperature 5 °C 50 °C Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Socket Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC	one, marking (see decidation of comorning)	To UK instructions for EMC
no water in liquid form  -40 °C  Pressure dew point for reduced rate of flow  -70 °C  Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature  -20 °C 60 °C  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C  Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  II  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  3  Electrical connection 1, cocupied pins/wires  2  Electrical connection 2, function  Power supply DC	Operating medium	Compressed air as per ISO 8573-1:2010 [6:-:4]
Pressure dew point for reduced rate of flow  -70 °C  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature  -20 °C 60 °C  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  II  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  3  Electrical connection 1, occupied pins/wires  2 Electrical connection 2, function  Power supply DC	Information on operating and pilot media	
Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature  -20 °C 60 °C  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  II  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Socket  Electrical connection 1, number of pins/wires  3  Electrical connection 1, number of pins/wires  2  Electrical connection 1, occupied pins/wires  2  Electrical connection 2, function  Power supply DC	Pressure dew point	-40 ℃
ABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature  -20 °C 60 °C  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  III  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  3  Electrical connection 1, occupied pins/wires  2  Electrical connection 2, function  Power supply DC	Pressure dew point for reduced rate of flow	-70 °C
Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Temperature of medium 2 °C 50 °C  Degree of protection IP65 Protection class II Overvoltage category II Ambient temperature 5 °C 50 °C Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3 Electrical connection 1, number of pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Air quality class at the output  Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  II  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Socket  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, occupied pins/wires  2  Electrical connection 2, function  Power supply DC	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C  Temperature of medium  2 °C 50 °C  Degree of protection  IP65  Protection class  II  Overvoltage category  III  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  3  Electrical connection 2, function  Power supply DC	Storage temperature	-20 °C 60 °C
Degree of protection IP65  Protection class II  Overvoltage category II  Ambient temperature 5 °C 50 °C  Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Socket  Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, occupied pins/wires 3  Electrical connection 2, function Power supply DC	Air quality class at the output	· · · · · · · · · · · · · · · · · · ·
Protection class  Overvoltage category  II  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, occupied pins/wires  Electrical connection 2, function  Power supply DC  Electrical connection 2, function  Power supply DC	Temperature of medium	2 °C 50 °C
Overvoltage category  Ambient temperature  5 °C 50 °C  Product weight  47000 g  Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Socket  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  3  Electrical connection 1, occupied pins/wires  2  Electrical connection 2, function  Power supply DC	Degree of protection	IP65
Ambient temperature 5 °C 50 °C  Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Socket  Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires 3  Electrical connection 1, occupied pins/wires 2  Electrical connection 2, function Power supply DC	Protection class	II
Product weight 47000 g  Electrical connection 1, function Power supply AC  Electrical connection 1, connection type Socket  Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires 3  Electrical connection 1, occupied pins/wires 2  Electrical connection 2, function Power supply DC	Overvoltage category	II
Electrical connection 1, function  Power supply AC  Electrical connection 1, connection type  Socket  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  Electrical connection 1, occupied pins/wires  Electrical connection 2, function  Power supply DC	Ambient temperature	5 °C 50 °C
Electrical connection 1, connection type  Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  Electrical connection 1, occupied pins/wires  Electrical connection 2, function  Power supply DC	Product weight	47000 g
Electrical connection 1, connection technology  Plug pattern type C as per industry standard, 9.4 mm  Electrical connection 1, number of pins/wires  Electrical connection 1, occupied pins/wires  Electrical connection 2, function  Power supply DC	Electrical connection 1, function	Power supply AC
Electrical connection 1, number of pins/wires 3  Electrical connection 1, occupied pins/wires 2  Electrical connection 2, function Power supply DC	Electrical connection 1, connection type	Socket
Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC	Electrical connection 1, connection technology	Plug pattern type C as per industry standard, 9.4 mm
Electrical connection 2, function Power supply DC	Electrical connection 1, number of pins/wires	3
	Electrical connection 1, occupied pins/wires	2
Electrical connection 2, connection type Socket	Electrical connection 2, function	Power supply DC
	Electrical connection 2, connection type	Socket

Feature	Value
Electrical connection 2, connection technology	Connection diagram form C as per industrial standard, 9.4 mm
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	2
Type of mounting	With accessories
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy