

Automatic drain

DB1000/DB3000 Series

Drain discharger with highly reliable level sensor.

- Port size: G1/2" to G1" (for 2.5 to 1000 m³/min (ANR) air compressor discharge flow rate)

JIS symbol



Specifications

Item		DB3003D-15	DB1006E-15 -200 VAC	DB3006E-15 -200 VAC	DB1024-15 -200 VAC	DB3024-15 -200 VAC	DB1090D-20 -200 VAC	DB3090D-20 -200 VAC	DB3700-20 -200 VAC
Port size	Drain inlet	G1/2"	G1/2"		G1/2"		G3/4"		G3/4", G1"
	Drain outlet	8 mm fitting, G1/4"	10 mm hose fitting or G3/8"		13 mm hose fitting or G1/2"		13 mm hose fitting or G1/2"		G1/2"
Processing air flow rate of applicable air compressor m³/min(ANR)		2.5	4.5		20		90		1000
Processing air flow rate of applicable air dryer m³/min(ANR)		5	9		40		180		2000
[Reference] Capacity of compressor for the corresponding air dryer. (kW)		22	55		240		900		7000
Working conditions	Working fluid	Drain contained in compressed air							
	Ambient temperature °C	1 to 60							
	Working pressure MPa	0.08 to 1.6							
Electro specs	Power supply	Single phase 95 VAC to 240 VAC 50/60 Hz	Single phase 200 VAC 50/60 Hz						
	Max. power consumption	3VA	8.0VA						
Alarm contact capacity		-	max. 250 VAC/1 A, max. 30 VDC/1 A, min. 5 VDC/10 mA						
Degree of protection		IP67	IP65						
Weight kg		0.8	0.8		2.0		2.9		5.9
Applicable air compressor type		No-lubrication	Lubrication	No-lubrication	Lubrication	No-lubrication	Lubrication	No-lubrication	No-lubrication

- *1: G means parallel female thread that can be connected with an R thread.
- *2: Use a hose fitting or G1/4" for the drain outlet of DB3003D. G1/4" is a parallel male thread.
- *3: Use a hose fitting or G3/8" for the drain outlet of DB1006E/3006E. G3/8" is a parallel male thread.
- *4: Use a hose fitting or G1/2" for the drain outlet of DB1024/3024 and DB1090D/3090D. G1/2" is a parallel male thread.
- *5: Use G3/4" or G1" for the drain inlet of DB3700.
- *6: DB3000 Series can be used for lubrication compressor.

How to order

DB 1 090 - 20 - AC200V

Ⓐ Application

Ⓑ Capacity category

Ⓒ Inlet port size

Ⓓ Voltage
*2

Code	Description
Ⓐ Application	
1	For lubrication compressor
3	For no-lubrication compressor
Ⓑ Capacity category	
003D	22 kW or less
006E	55 kW or less
024	240 kW or less
090D	900 kW or less
700	7000 kW or less
Ⓒ Inlet port size	
15	G1/2"
20	G3/4"
Ⓓ Voltage	
200 VAC	

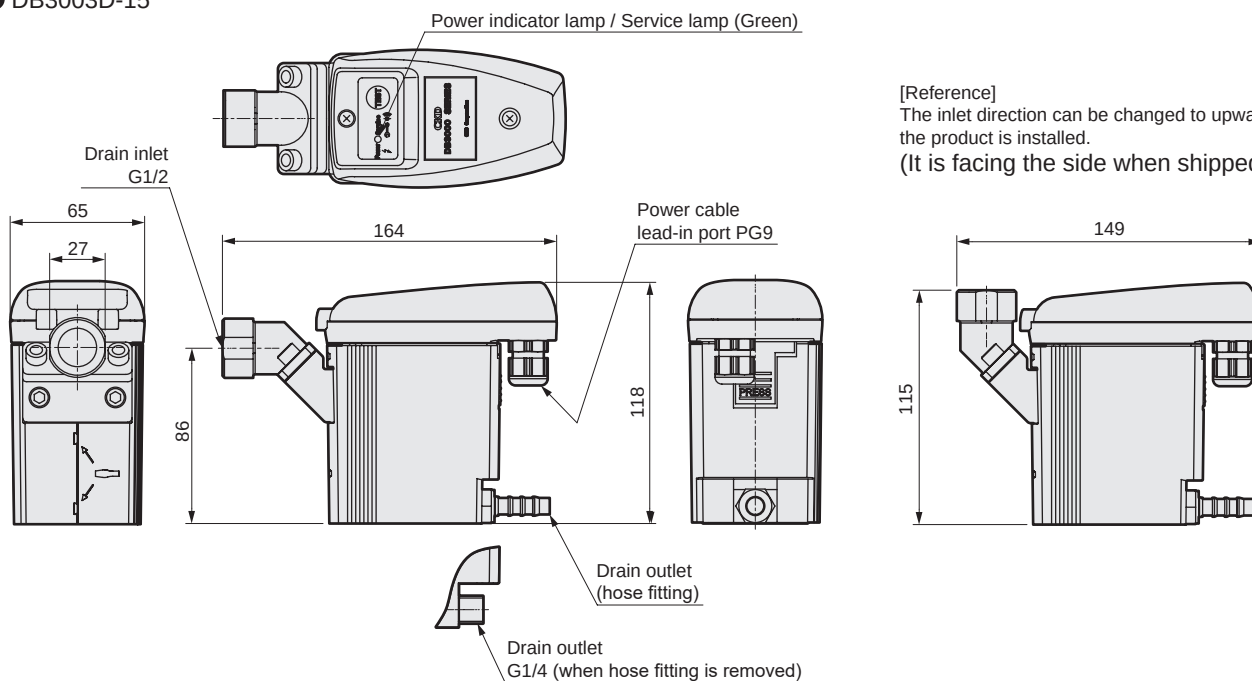
⚠ Model No.Note on selection

- *1: Capacity code is the capacity of air compressor for the corresponding air dryer.
- *2: Cannot be selected for the Ⓑ Capacity category "003D".

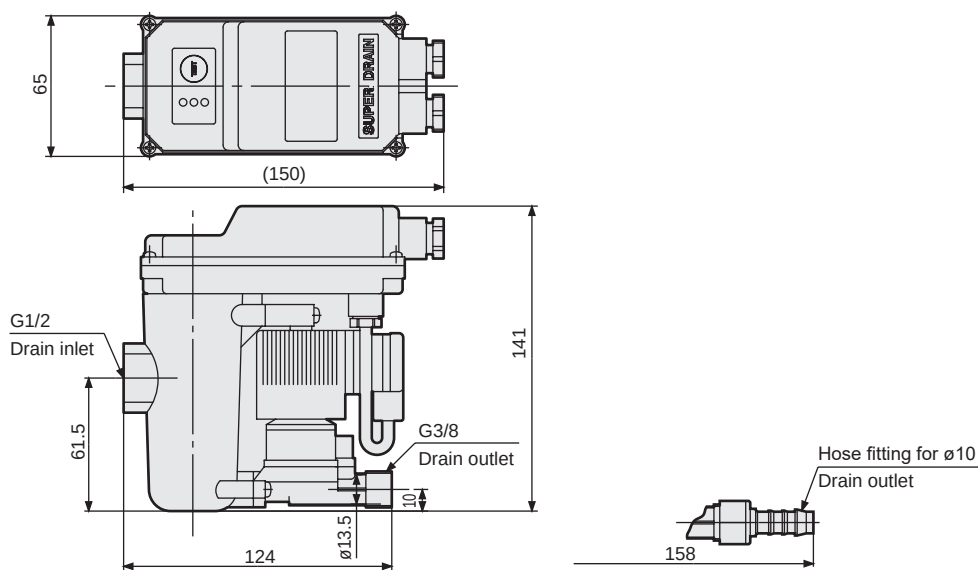
Dimensions



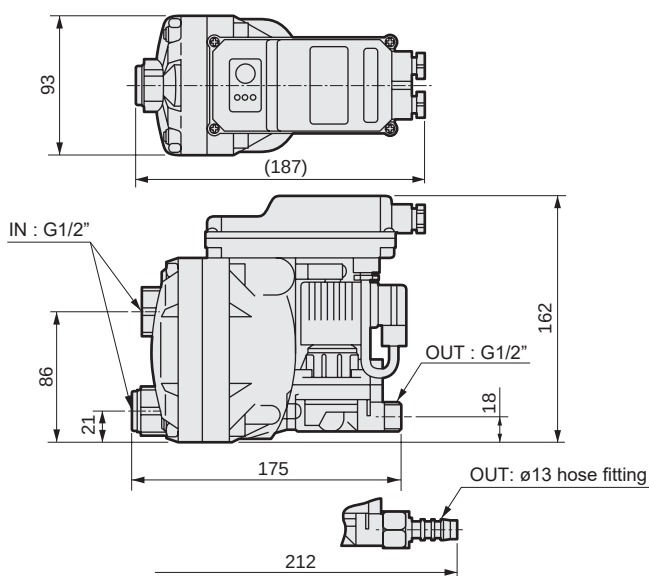
● DB3003D-15



● DB1006E-15/DB3006E-15



● DB1024-15/DB3024-15



F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

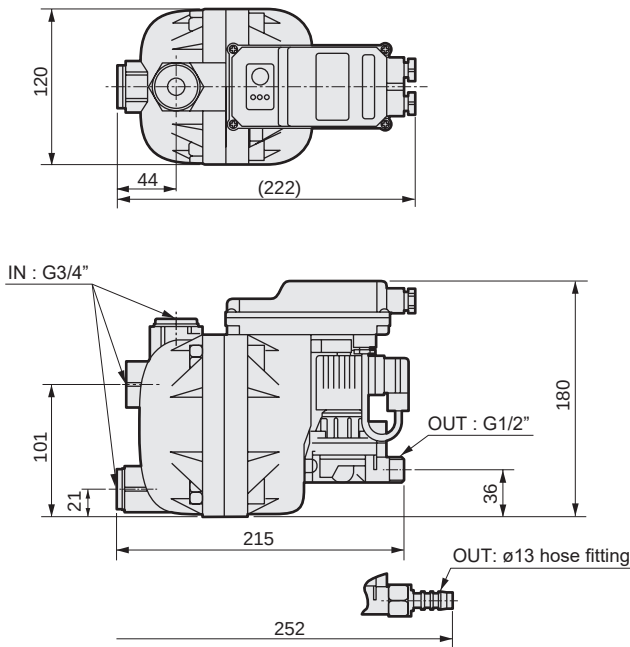
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F (Filtr)
R (Reg)
L (Lub)
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Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Dimensions



● DB1090D-20/DB3090D-20



● DB3700-20

