

Dry Unit

Combination Unit of Hollow Fiber Membrane Filter type Air Dryer and Regulator

Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

FMDR	301	- 03	- W8	- AD		
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Unit combination (○ : Equipped)

Code	FD	FDR	FBD	FMD	FBDR	FMDR
Air Filter	○	○	○	○	○	○
Mist Filter			○		○	
Micromist Filter				○		○
Fiber Dry	○	○	○	○	○	○
Regulator		○			○	○

(2) Dry air flow rate

Code	100	301
Flow rate (l/min [ANR])	100	300

(3) Inlet port

* For Rc thread, size of Inlet and Outlet ports are same.

Code	02	03	C6 (e.g.)
Port size	Rc1/4 (Refer to Table 1)	Rc3/8 (Refer to Table 1)	Push-in fitting size (Refer to Table 2)

(4) Outlet port

Code	No code	02	03	C6 (e.g.)
Port size	Same size as Inlet port	Rc1/4 (Refer to Table 1)	Rc3/8 (Refer to Table 1)	Push-in fitting size (Refer to Table 2)

(5) Drain cock

Code	MD	AD
Drain cock spec.	Manual drain	Auto drain

(6) Flow direction

Code	No code	R
Flow direction	Left to Right	Right to Left

(7) Pressure indication (FDR, FBDR and FMDR type only.)

Code	Pressure indication
No code	Pressure Gauge
G	Digital Pressure Gauge
T2	1 switch output & 1 analog output (with 2 m cable)
T2C	1 switch output & 1 analog output (M8, 4 pin connector)
T3	2 switch outputs (with 2 m cable)
T3C	2 switch outputs (M8, 4 pin connector)
T4	2 switch outputs (NPN output) & 1 analog output
T4P	2 switch outputs (PNP output) & 1 analog output
T5	2 switch outputs (NPN output) & copy function
T5P	2 switch outputs (PNP output) & copy function
L	Without Gauge

● Table 1. Port size (○:Available)

Code	100 series		301 series	
	02	03	02	03
FD	○	—	—	○
FDR	○	○	○	○
FBD	○	—	—	○
FMD	○	—	—	○
FBDR	○	○	○	○
FMDR	○	○	○	○

● Table 2. Push-in fitting size

Code	Size (mm)	Type
C4 *1 *2	ø4	Straight type
C6 *1	ø6	
C8	ø8	
C10	ø10	
C12	ø12	
C16 *3	ø16	Elbow type
L4 *1 *2	ø4	
L6 *1	ø6	
L8	ø8	
L10	ø10	
L12	ø12	Double Banjo Type
L16 *3	ø16	
W4	ø4	
W6	ø6	
W8	ø8	
W10	ø10	
W12	ø12	

*1. Push-in fitting size ø4 mm or ø6 mm are available only when Manual Drain is selected.

*2. Available for Dry air flow rate 100 series only

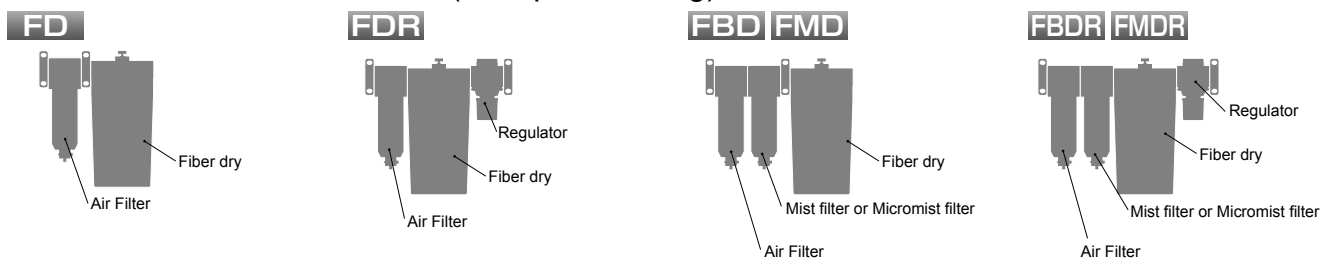
*3. Available for Dry air flow rate 301 series only

Characteristics

Filter and Regulator are integrated into Hollow Fiber Membrane Filter type Air Dryer.

Air filter, Mist filter, Micromist filter and Regulator are integrated into Fiber Dry.

Direct connection to air source. (For space-saving)



A wide variety of pressure indication is available.

- Pressure Gauge: Display is readable from the side by a special scale.
- Digital pressure Gauge: Easy check is possible by reading indication.
- Pressure Sensor with LCD Dual-display: Clear LCD dual-display, 3-colored indication.



RoHS2 (2011/65/EU+EU2015/863) compliant

100 series					
Without Gauge				With Pressure Gauge	
Type	Model code	Type	Model code	Type	Model code
FD Air Filter, Fiber Dry	FD100-③-④-MD-⑥ FD100-③-④-AD-⑥	FBD Air Filter, Mist Filter, Fiber Dry FMD Air Filter, Micromist Filter, Fiber Dry	FBD100-③-④-MD-⑥ FBD100-③-④-AD-⑥ FMD100-③-④-MD-⑥ FMD100-③-④-AD-⑥	FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥ FDR100-③-④-AD-⑥
					
Type	Model code	Type	Model code	Type	Model code
FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥L FDR100-③-④-AD-⑥L	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥L FBDR100-③-④-AD-⑥L FMDR100-③-④-MD-⑥L FMDR100-③-④-AD-⑥L	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥ FBDR100-③-④-AD-⑥ FMDR100-③-④-MD-⑥ FMDR100-③-④-AD-⑥
					
With Digital Pressure Gauge					
Type	Model code	Type	Model code		
FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥G FDR100-③-④-AD-⑥G	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥G FBDR100-③-④-AD-⑥G FMDR100-③-④-MD-⑥G FMDR100-③-④-AD-⑥G		
					
With Pressure Sensor with LCD Dual-display					
1 switch output & 1 analog output or 2 switch outputs (with 2 m cable)				2 switch outputs & analog output or 2 switch outputs with copy function	
Type	Model code	Type	Model code	Type	Model code
FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥T⑦ FDR100-③-④-AD-⑥T⑦	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥T⑦ FBDR100-③-④-AD-⑥T⑦ FMDR100-③-④-MD-⑥T⑦ FMDR100-③-④-AD-⑥T⑦	FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥T4 FDR100-③-④-MD-⑥T5 FDR100-③-④-MD-⑥T4P FDR100-③-④-MD-⑥T5P FDR100-③-④-AD-⑥T4 FDR100-③-④-AD-⑥T5 FDR100-③-④-AD-⑥T4P FDR100-③-④-AD-⑥T5P
					
1 switch output & 1 analog output or 2 switch outputs (M 8, 4 pin connector)				Type	Model Code
Type	Model Code	Type	Model Code	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥T4 FBDR100-③-④-MD-⑥T5 FBDR100-③-④-MD-⑥T4P FBDR100-③-④-MD-⑥T5P FBDR100-③-④-AD-⑥T4 FBDR100-③-④-AD-⑥T5 FBDR100-③-④-AD-⑥T4P FBDR100-③-④-AD-⑥T5P FMDR100-③-④-MD-⑥T4 FMDR100-③-④-MD-⑥T5 FMDR100-③-④-MD-⑥T4P FMDR100-③-④-MD-⑥T5P FMDR100-③-④-AD-⑥T4 FMDR100-③-④-AD-⑥T5 FMDR100-③-④-AD-⑥T4P FMDR100-③-④-AD-⑥T5P
FDR Air Filter, Fiber Dry, Regulator	FDR100-③-④-MD-⑥T⑦C FDR100-③-④-AD-⑥T⑦C	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator	FBDR100-③-④-MD-⑥T⑦C FBDR100-③-④-AD-⑥T⑦C FMDR100-③-④-MD-⑥T⑦C FMDR100-③-④-AD-⑥T⑦C		
					
Notes * For ③ and ④ in model code, please select inlet / outlet port and for ⑥ in model code, please select flow direction from Model Designation (Example). CAD data is available at PISCO website. Packaging specifications 1 pc. /bag					



Notes

* For ③ and ④ in model code, please select inlet / outlet port and for ⑥ in model code, please select flow direction from Model Designation (Example).



CAD data is available at PISCO website.



Packaging specifications
1 pc. /bag

Dry Unit

RoHS2 (2011/65/EU+EU2015/863) compliant

301 series					
Without Gauge				With Pressure Gauge	
Type	Model Code	Type	Model Code	Type	Model Code
FD Air Filter, Fiber Dry 	FD301-③-④-MD-⑥ FD301-③-④-AD-⑥	FBD Air Filter, Mist Filter, Fiber Dry FMD Air Filter, Micromist Filter, Fiber Dry 	FBD301-③-④-MD-⑥ FBD301-③-④-AD-⑥ FMD301-③-④-MD-⑥ FMD301-③-④-AD-⑥	FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥ FDR301-③-④-AD-⑥
Type	Model Code	Type	Model Code	Type	Model Code
FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥L FDR301-③-④-AD-⑥L	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥L FBDR301-③-④-AD-⑥L FMDR301-③-④-MD-⑥L FMDR301-③-④-AD-⑥L	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥ FBDR301-③-④-AD-⑥ FMDR301-③-④-MD-⑥ FMDR301-③-④-AD-⑥
With Digital Pressure Gauge					
Type	Model Code	Type	Model Code		
FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥G FDR301-③-④-AD-⑥G	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥G FBDR301-③-④-AD-⑥G FMDR301-③-④-MD-⑥G FMDR301-③-④-AD-⑥G		
With Pressure Sensor with LCD Dual-display					
1 switch output & 1 analog output or 2 switch outputs (with 2 m cable)				2 switch outputs & analog output or 2 switch outputs with copy function	
Type	Model Code	Type	Model Code	Type	Model Code
FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥T⑦ FDR301-③-④-AD-⑥T⑦	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥T⑦ FBDR301-③-④-AD-⑥T⑦ FMDR301-③-④-MD-⑥T⑦ FMDR301-③-④-AD-⑥T⑦	FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥T4 FDR301-③-④-MD-⑥T5 FDR301-③-④-MD-⑥T4P FDR301-③-④-MD-⑥T5P FDR301-③-④-AD-⑥T4 FDR301-③-④-AD-⑥T5 FDR301-③-④-AD-⑥T4P FDR301-③-④-AD-⑥T5P
1 switch output & 1 analog output or 2 switch outputs (M 8, 4 pin connector)				Type	Model Code
Type	Model Code	Type	Model Code	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥T4 FBDR301-③-④-MD-⑥T5 FBDR301-③-④-MD-⑥T4P FBDR301-③-④-MD-⑥T5P FBDR301-③-④-AD-⑥T4 FBDR301-③-④-AD-⑥T5 FBDR301-③-④-AD-⑥T4P FBDR301-③-④-AD-⑥T5P FMDR301-③-④-MD-⑥T4 FMDR301-③-④-MD-⑥T5 FMDR301-③-④-MD-⑥T4P FMDR301-③-④-MD-⑥T5P FMDR301-③-④-AD-⑥T4 FMDR301-③-④-AD-⑥T5 FMDR301-③-④-AD-⑥T4P FMDR301-③-④-AD-⑥T5P
FDR Air Filter, Fiber Dry, Regulator 	FDR301-③-④-MD-⑥T⑦C FDR301-③-④-AD-⑥T⑦C	FBDR Air Filter, Mist Filter, Fiber Dry, Regulator FMDR Air Filter, Micromist Filter, Fiber Dry, Regulator 	FBDR301-③-④-MD-⑥T⑦C FBDR301-③-④-AD-⑥T⑦C FMDR301-③-④-MD-⑥T⑦C FMDR301-③-④-AD-⑥T⑦C		
 Notes * For ③ and ④ in model code, please select inlet / outlet port and for ⑥ in model code, please select flow direction from Model Designation (Example).  CAD data is available at PISCO website.  Packaging specifications 1 pc. /bag					



Notes

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Packaging specifications
1 pc. /bag