

Manual Desiccant Dryers

Catalog 9CW-SD-179



WILKERSON®

Manual Desiccant Dryers

Models X06, X03, X04 and X25

Wilkerson's Manual Desiccant Dryers offer the most cost effective method to remove moisture from very low flow compressed air systems or those which are used infrequently. Atmospheric dew points as low as -100°F (-73°C) are obtainable with units available for continuous flows up to 25 SCFM. These dryers are an excellent choice for point-of-use applications such as paint spraying, laboratory instruments and small control air systems.

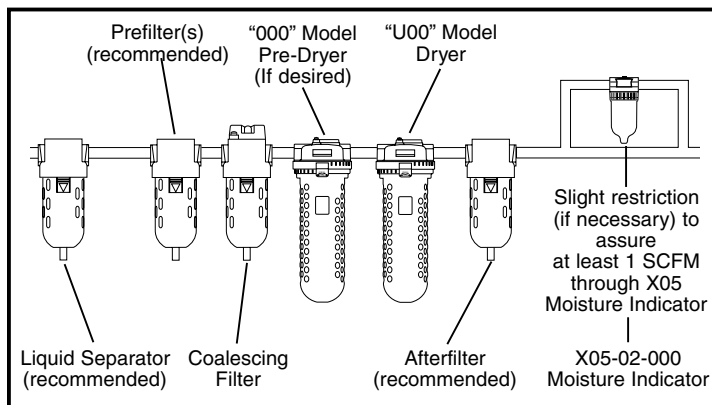
Features and Benefits

- Lowest initial cost of any type dryer
- Low pressure drops of less than 1 PSIG
- Easily and quickly serviced
- Color change of the desiccant or moisture indicators provides an instant status of the compressed air system
- No power required, providing for the lowest operating cost of any dryer
- Units are small, lightweight and easy to install

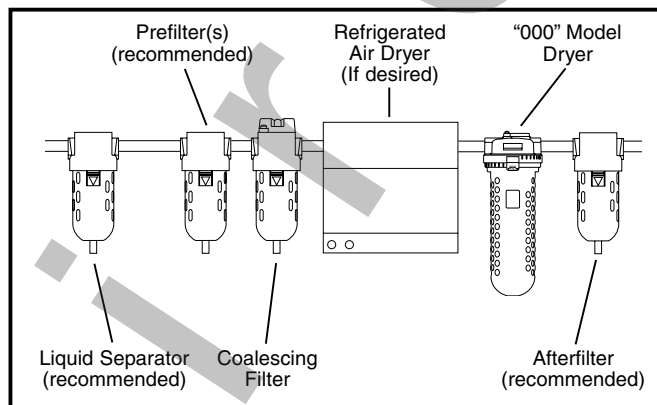


Typical Installation Arrangement for Manual Dryers

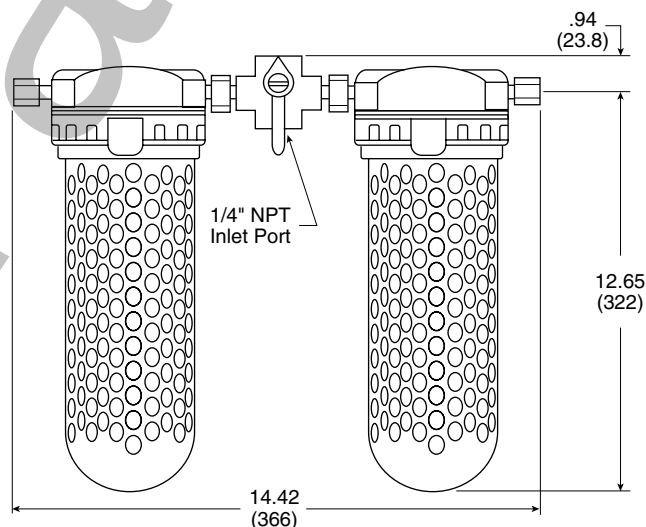
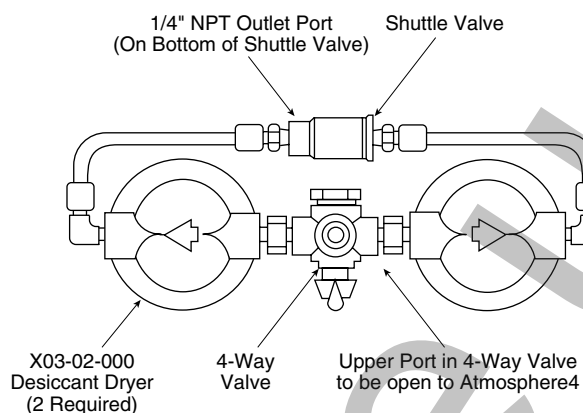
“U00”/“MU0” Models:



“000”/“M00” Models:



X04-02-000 Dryer



Ordering Information

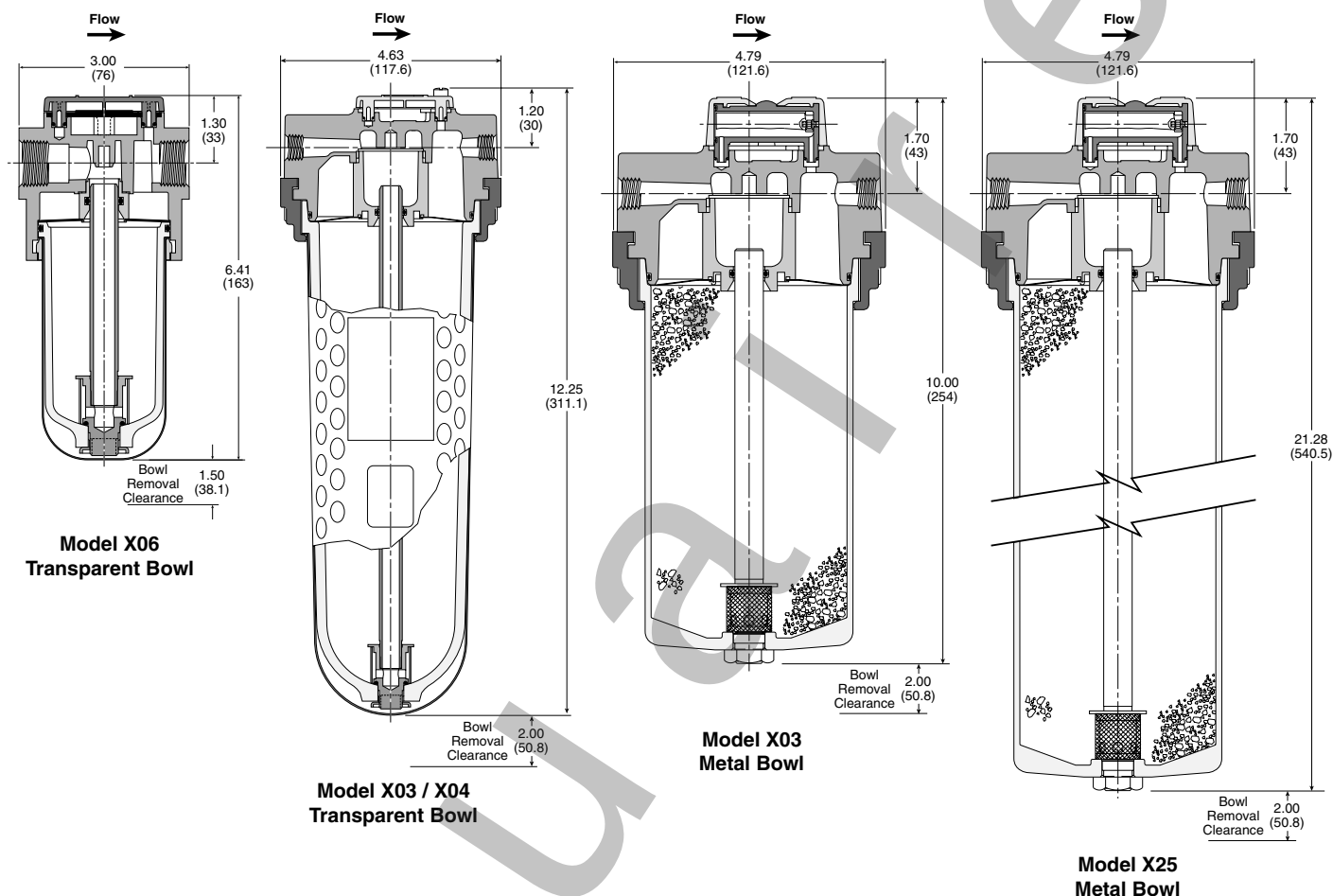
To order an option supplied with the unit model, add the appropriate coded suffix letter in position 6, 7, or 8 of the model number.

X03-02 - 000

Model Number
X03-02
X04-02
X06-02
X25-04

Options
X 13X Molecular Sieve for Oil Vapor Removal
U 4A Molecular Sieve Specifies Use At -100°F (-73°C) Atmospheric Dew Point
M Metal Bowl Option. Only available for Model X03 Unit, with Moisture Indicator. The X25 is Standard with the Metal Bowl.

Dimensions

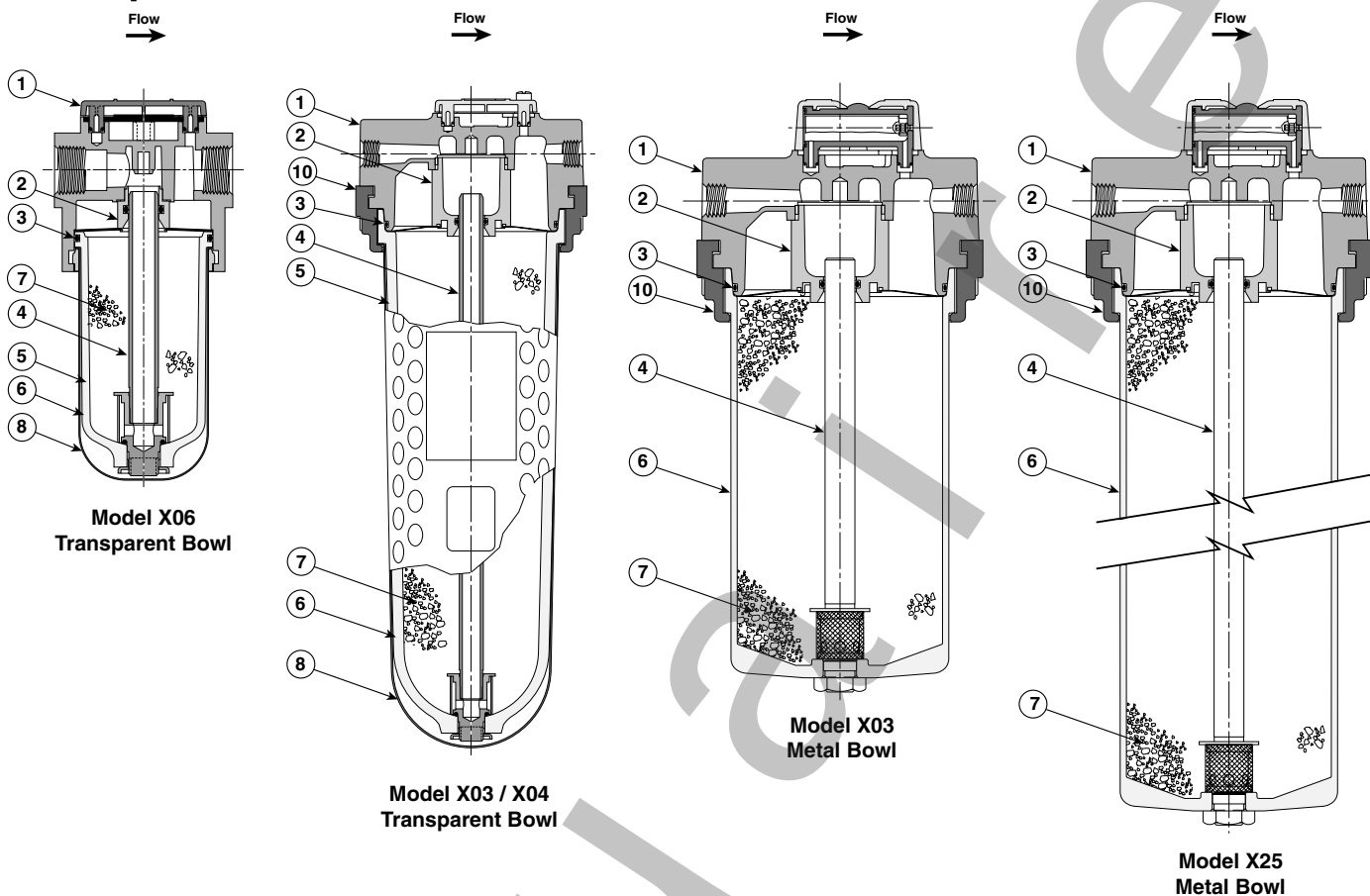


Specifications

	X06 Transparent Bowl	X03 Transparent Bowl	X03 Metal Bowl	X04 Transparent Bowl	X25 Metal Bowl
Maximum Pressure	150 PSIG (10,3 bar)	150 PSIG (10,3 bar)	150 PSIG (10,3 bar)	150 PSIG (10,3 bar)	150 PSIG (10,3 bar)
Maximum Temperature	125°F (52°C)	125°F (52°C)	150°F (66°C)	125°F (52°C)	150°F (66°C)
Atmospheric Dew Point*	000 Model: -45°F (-43°C)	000 Model: -45°F (-43°C)	000 Model: -45°F (-43°C)	000 Model: -45°F (-43°C)	000 Model: -45°F (-43°C)
	U00 Model: -100°F (-73°C)	U00 Model: -100°F (-73°C)	MU0 Model: -100°F (-73°C)	U00 Model: -100°F (-73°C)	U00 Model: -100°F (-73°C)
Maximum Continuous Airflow*	5 SCFM (2,3 dm ³ /s)	10 SCFM (4,7 dm ³ /s)	10 SCFM (4,7 dm ³ /s)	10 SCFM (4,7 dm ³ /s)	25 SCFM (11,8 dm ³ /s)
Total Airflow*	600 scf (16,6 m ³)	4400 scf (124 m ³)	3168 scf (89 m ³)	4400x2 scf (248 m ³)	11,000 scf (311 m ³)
Total Minutes of Operation @ Max Continuous Airflow*	120 min.	440 min.	440 min.	880 min.	440 min.
Weight with Desiccant	1.13 lbs. (0,51 kg)	7.4 lbs. (3,4 kg)	6.8 lbs. (3,1 kg)	15.0 lbs. (6,8 kg)	11.2 lbs. (5,1 kg)
Weight Desiccant (Alone)	0.25 lbs. (0,11 kg)	1.8 lbs. (0,8 kg)	1.3 lbs. (.6kg)	3.6 lbs. (1,6 kg)	4.4 lbs. (2,0 kg)
Pipe Connections	1/4" NPT (BSPP)	1/4", 1/2" NPT (BSPP)	1/4", 1/2" NPT (BSPP)	1/4" NPT (BSPP)	1/2" NPT (BSPP)

*With Dry Desiccant at 100 PSIG (7 bar) and 70°F (21°C), Saturated Inlet (100% RH)

Description



Replacement Parts List

Transparent Bowl Units are Standard with Bowl Guards. Metal Bowl Units are Standard with Moisture Indicators

Description	X06 Transparent Bowl	Qty.	X03 / X04 Transparent Bowl	Qty.	X03 Metal Bowl	Qty.	X25 Metal Bowl	Qty.
1 Cover	NNR	—	NNR	—	NNR	—	NNR	—
2 Screen Assembly	NNR	—	DRP-96-434	2	DRP-96-434	1	DRP-96-434	1
3 Bowl O-ring	GRP-95-259	1	GRP-95-256	2	GRP-95-256	1	GRP-95-256	1
4 Tube Assembly w / Screen	NNR	1	DRP-96-435	2	DRP-96-451	1	DRP-95-622	1
5 Transparent Bowl	NNR	1	GRP-95-089	2	N/A	—	N/A	—
6 Metal Bowl	N/A	—	N/A	—	DRP-96-450	1	NNR	—
7 Silica Gel (000)	DRP-95-303	3 ¹	DRP-85-059	4 ^{1,2}	DRP-85-059	4 ¹	DRP-85-280	3 ¹
4A Molecular Sieve (U00)	DRP-95-304	3 ¹	DRP-85-060	4 ^{1,2}	DRP-85-060	4 ¹	DRP-85-281	3 ¹
13X Molecular Sieve (X00)	DRP-95-305	3 ¹	DRP-85-061	4 ^{1,2}	DRP-85-061	4 ¹	N/A	—
8 Bowl Guard	GRP-95-013	1	DRP-95-810	2	N/A	—	N/A	—
9 Moisture Indicator ³	N/A	—	N/A	—	DRP-95-623	1	DRP-95-623	1
10 Clamp Ring	NNR	—	GRP-96-404	2	GRP-96-404	1	GRP-96-404	—
11 Replacement Cap for Moisture Indicator Removal	NNR	—	GRP-95-020	—	GRP-95-020	1	GRP-95-020	1

NNR = Not Normally Replaced

1 Qty. shown is number of refills per kit.

2 For X04, 2 refills per kit, as it is a duplex unit.

3 The Moisture Indicator contains a weep orifice to provide an air sample to the moisture indicating paper. Air bleed from this indicator is necessary and normal.