

Manual Desiccant Dryers

Catalog 9CW-SD-179



WILKERSON®

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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.

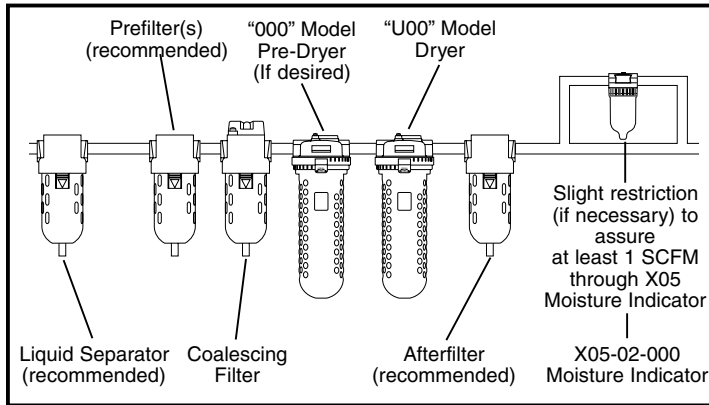
Features and Benefits

- 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

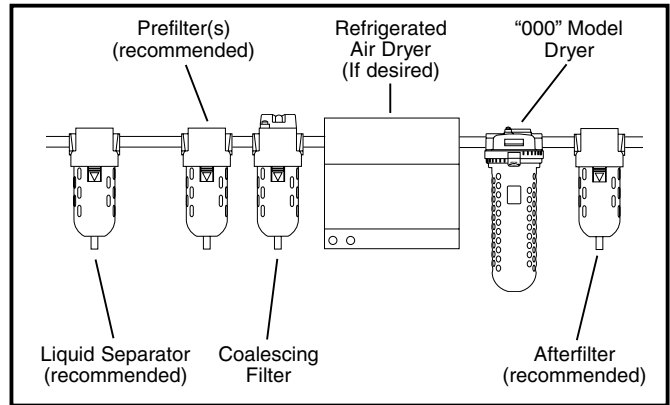


Typical Installation Arrangement for Manual Dryers

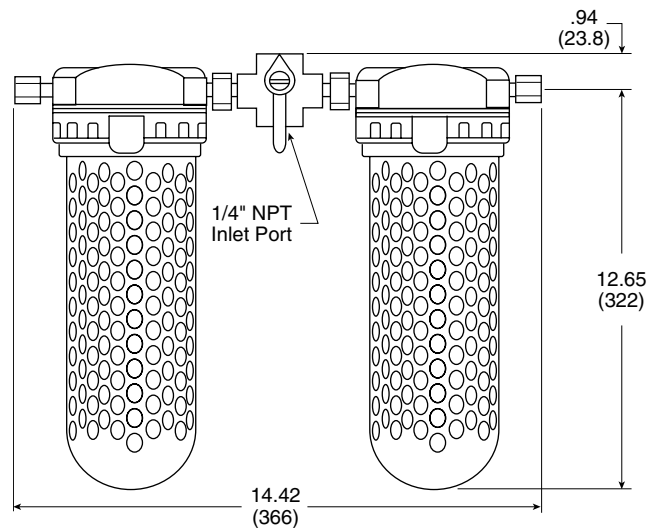
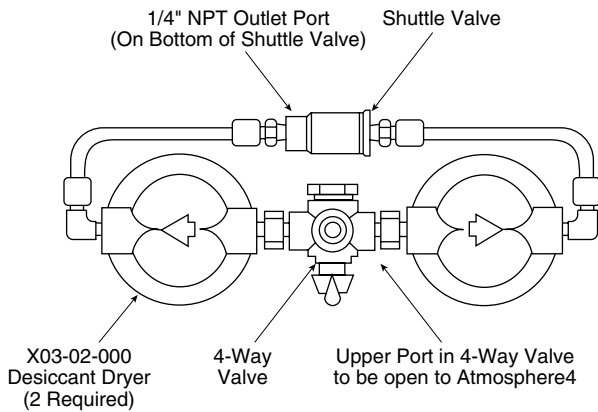
“U00”/“MU0” Models:



“000”/“M00” Models:



X04-02-000 Dryer



Ordering Information

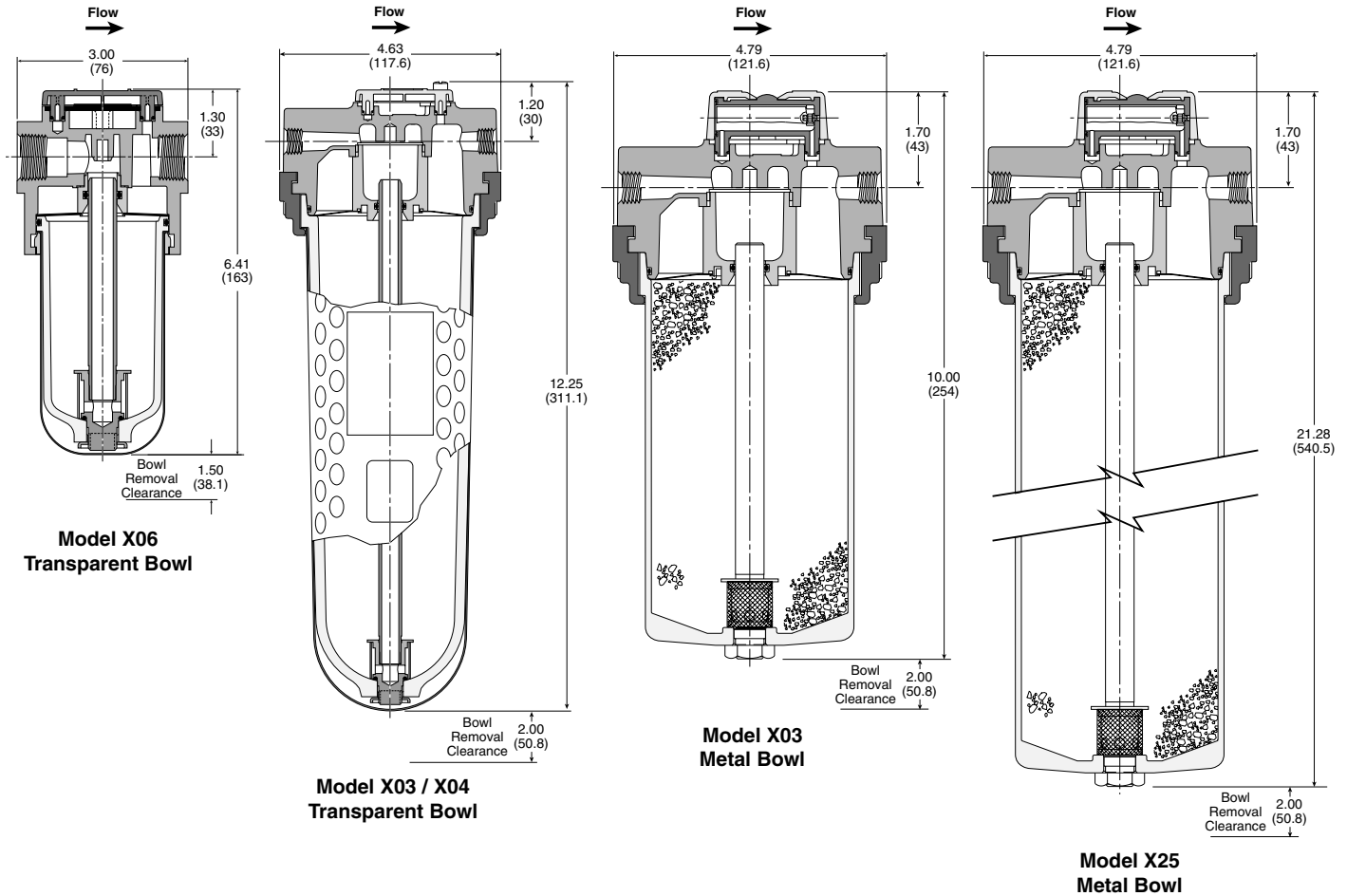
To order an option supplied with the unit model, add the appropriate coded suffix letter in position 6, 7, or 8 of the model number.

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

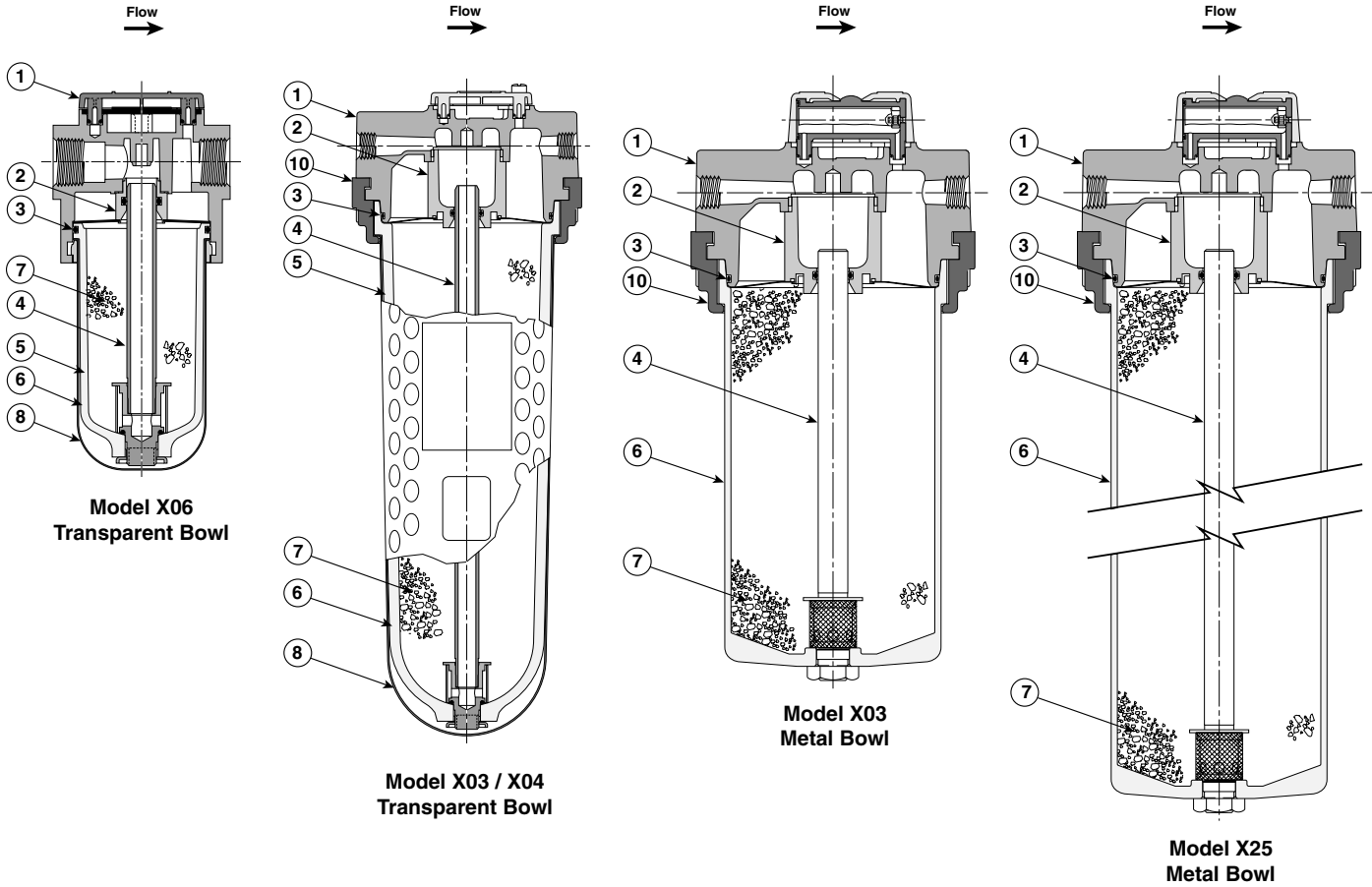


Specifications

	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.

Offer of Sale

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1. Terms and Conditions of Sale: All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of 18 months from date of shipment from The Company. THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED.

NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGN OR SPECIFICATIONS.

5. Limitation of Remedy: SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS CONTRACT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD OR REFUND OF THE PURCHASE PRICE PAID BY BUYER, AT SELLER'S SOLE OPTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ITEMS SOLD HEREUNDER, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY.

6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold hereunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.

7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitations, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any

charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer, or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets (hereinafter "Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgements resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

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