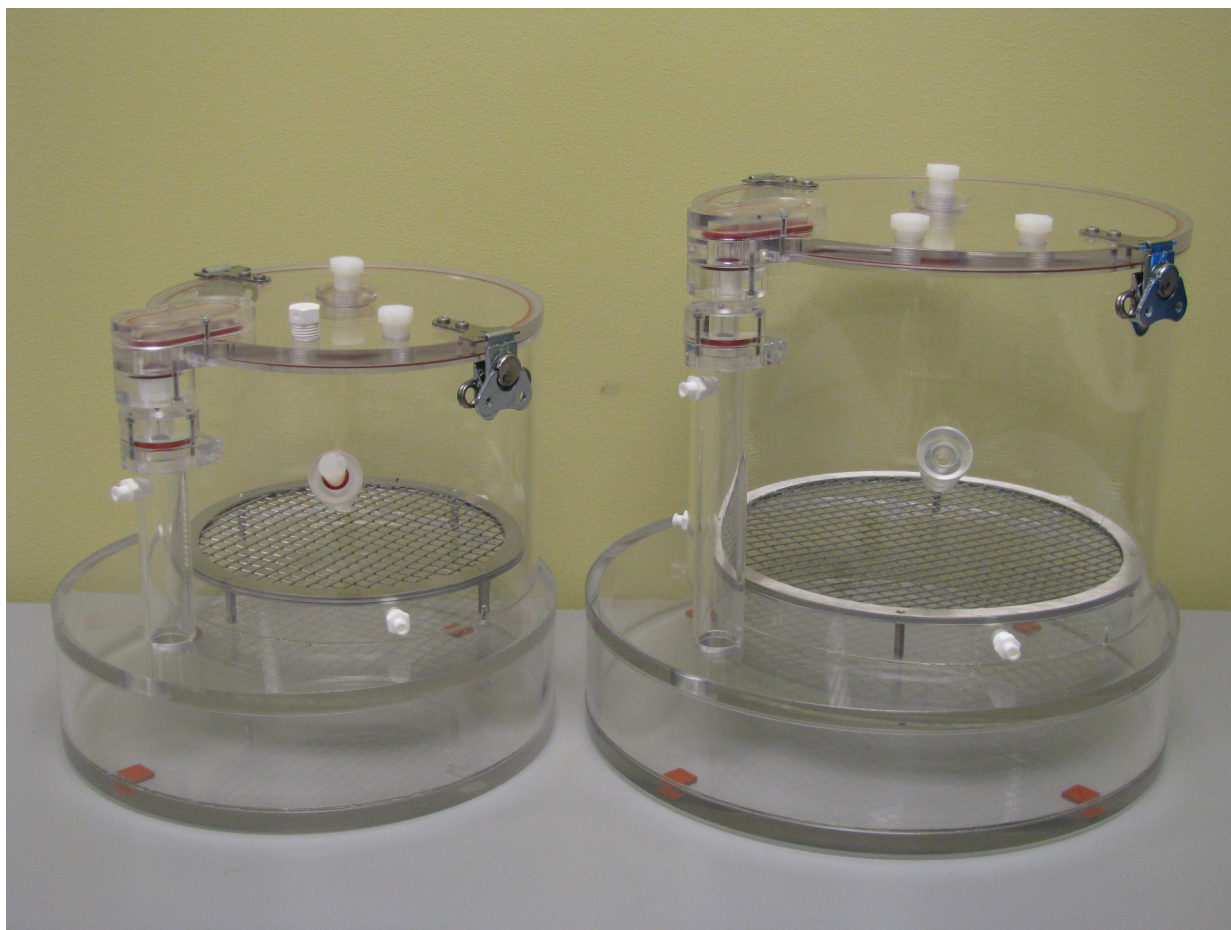


Unrestrained Whole Body Plethysmograph Chamber for Rat and Guinea Pig



Features:

- Designed to reduce environmental ambient noise produced by changes in room air flows.
- Top loading for easy placement of test subjects.
- Accommodates a wide range of pressure transducers.
- Stainless steel grid floor provides improved animal hygiene.
- Easy to clean aerosolization port.
- Single screen pneumotachograph eliminates the need to overlap multiple screens while providing optimal resistance.

Technical Data Sheet

Model 600-2400-001, 600-2600-001

Unrestrained Whole Body Plethysmograph Chamber for Rat and Guinea Pig

The DSI Rat and Guinea Pig Unrestrained Whole Body Plethysmograph chambers are designed to complement use with the Ponemah Unrestrained Plethysmograph (URP) analysis module, Validyne pressure transducers and DSI implantable telemetry devices. It enables researchers to monitor physiologic endpoints such as Breaths-per-Minute, Tidal Volume, Minute Volume, Inspiratory time, Expiratory time, Apnea time, Pause and PenH from unrestrained animals.

There are two whole body plethysmography methods. The uncompensated method does not use the chamber temperature or humidity for correction of the Tidal Volume and Minute Volume parameters. The compensated method does use chamber temperature and humidity to generate a more accurate flow and volume signals which generate accurate Tidal Volume and Minute Volume parameters.

Using the whole body plethysmograph chamber in conjunction with implantable telemetry, other parameters such as cardiovascular or CNS endpoints can be obtained at the same time. This can eliminate the need for additional studies saving time and resources.

SPECIFICATIONS	ORDERING INFORMATION																																																														
<ul style="list-style-type: none">Chamber is constructed of a durable clear acrylic.16 ounce (475 mL) water bottle with spin on lid with sipper tube.2 pressure transducer ports, 2 temperature/humidity sensor ports, 3 ancillary chamber ports, and one 22mm nebulizer port.Rat Chamber: Measuring 10" (25.4 cm) OD and approximately 11" (27.9 cm) in height with lid and ball valve in place, weight 7.8 lbs (3.5 kg). Animal holding chamber 7.625" (19.4 cm) ID and 5.625" (14.3 cm) in height, volume approximately 256.8 cubic inches (4208 cubic cm).Guinea Pig Chamber: Measuring 12.5" (31.8 cm) OD and approximately 13.25" (33.7 cm) in height with lid and ball valve in place, weight 10.7 lbs (4.85 kg). Animal holding chamber 9.5" (24.1 cm) ID and 7.5" (19.1 cm) in height, volume approximately 535 cubic inches (8767 cubic cm).	<table><thead><tr><th data-bbox="706 850 868 877">Part Number</th><th data-bbox="901 850 1031 877">Description</th></tr></thead><tbody><tr><td data-bbox="706 877 868 905">600-2400-001</td><td data-bbox="901 877 1550 905">Rat Unrestrained Whole Body Plethysmograph chamber</td></tr><tr><td data-bbox="706 905 868 932">600-2600-001</td><td data-bbox="901 905 1550 932">Guinea Pig Unrestrained Whole Body Plethysmograph chamber</td></tr><tr><td colspan="2" data-bbox="706 955 868 982">Accessories</td></tr><tr><td data-bbox="706 982 868 1010">600-1210-001</td><td data-bbox="901 982 1096 1010">Temperature Sensor</td></tr><tr><td data-bbox="706 1010 868 1037">600-1211-001</td><td data-bbox="901 1010 1063 1037">Humidity Sensor</td></tr><tr><td data-bbox="706 1037 868 1064">600-1212-001</td><td data-bbox="901 1037 1323 1064">Temperature Sensor Cable for Universal XE</td></tr><tr><td data-bbox="706 1064 868 1092">600-1214-001</td><td data-bbox="901 1064 1274 1092">Humidity Sensor cable for UniversalXE</td></tr><tr><td data-bbox="706 1092 868 1119">600-1100-002</td><td data-bbox="901 1092 1421 1119">Validyne Pressure Transducer DP-45, +/- 2.25CMH2O</td></tr><tr><td data-bbox="706 1119 868 1146">600-1102-002</td><td data-bbox="901 1119 1437 1146">Validyne Pressure Transducer DP-250, +/- 2.25CMH2O</td></tr><tr><td data-bbox="706 1146 868 1173">13-7715-59</td><td data-bbox="901 1146 1550 1173">7700 UniversalXE Amplifier, 4 channels, 16 bit, high & low pass filters</td></tr><tr><td data-bbox="706 1173 868 1201">13-7715-35</td><td data-bbox="901 1173 1372 1201">7700 Carrier signal conditioner, 4 channels, 16 bit</td></tr><tr><td data-bbox="706 1201 868 1228">600-1258-001</td><td data-bbox="901 1201 1242 1228">Barometric Pressure Sensor, 220 V</td></tr><tr><td data-bbox="706 1228 868 1255">600-1259-001</td><td data-bbox="901 1228 1242 1255">Barometric Pressure Sensor, 115 V</td></tr><tr><td data-bbox="706 1255 868 1283">600-1260-001</td><td data-bbox="901 1255 1063 1283">Mass Flow meter</td></tr><tr><td data-bbox="706 1283 868 1310">600-1261-001</td><td data-bbox="901 1283 1177 1310">Flow meter analog out cable</td></tr><tr><td colspan="2" data-bbox="706 1333 982 1360">Replacement Accessories</td></tr><tr><td data-bbox="706 1360 868 1388">600-1000-001</td><td data-bbox="901 1360 1112 1388">Replacement screens</td></tr><tr><td data-bbox="706 1388 868 1415">600-1002-001</td><td data-bbox="901 1388 998 1415">Ball valve</td></tr><tr><td data-bbox="706 1415 868 1442">600-1003-001</td><td data-bbox="901 1415 1177 1442">Water Bottle with sipper tube</td></tr><tr><td data-bbox="706 1442 868 1470">600-1006-001</td><td data-bbox="901 1442 1128 1470">Rat Water Bottle Holder</td></tr><tr><td data-bbox="706 1470 868 1497">600-1011-001</td><td data-bbox="901 1470 1209 1497">Guinea Pig Water Bottle Holder</td></tr><tr><td data-bbox="706 1497 868 1524">600-2410-001</td><td data-bbox="901 1497 1339 1524">Rat Whole Body Plethysmograph chamber lid</td></tr><tr><td data-bbox="706 1524 868 1551">600-2412-001</td><td data-bbox="901 1524 1356 1551">Rat Whole Body Plethysmograph chamber floor</td></tr><tr><td data-bbox="706 1551 868 1579">600-2413-001</td><td data-bbox="901 1551 1128 1579">Rat chamber Gasket kit</td></tr><tr><td data-bbox="706 1579 868 1606">600-2414-001</td><td data-bbox="901 1579 1193 1606">Rat chamber Refurbishment kit</td></tr><tr><td data-bbox="706 1606 868 1633">600-2415-001</td><td data-bbox="901 1606 1193 1633">Rat chamber Plug and Feet kit</td></tr><tr><td data-bbox="706 1633 868 1661">600-2610-001</td><td data-bbox="901 1633 1404 1661">Guinea Pig Whole Body Plethysmograph chamber lid</td></tr><tr><td data-bbox="706 1661 868 1688">600-2612-001</td><td data-bbox="901 1661 1421 1688">Guinea Pig Whole Body Plethysmograph chamber floor</td></tr><tr><td data-bbox="706 1688 868 1715">600-2613-001</td><td data-bbox="901 1688 1356 1715">Guinea Pig chamber Plug, Feet, and Gasket kit</td></tr><tr><td data-bbox="706 1715 868 1743">600-2614-001</td><td data-bbox="901 1715 1274 1743">Guinea Pig chamber Refurbishment kit</td></tr></tbody></table>	Part Number	Description	600-2400-001	Rat Unrestrained Whole Body Plethysmograph chamber	600-2600-001	Guinea Pig Unrestrained Whole Body Plethysmograph chamber	Accessories		600-1210-001	Temperature Sensor	600-1211-001	Humidity Sensor	600-1212-001	Temperature Sensor Cable for Universal XE	600-1214-001	Humidity Sensor cable for UniversalXE	600-1100-002	Validyne Pressure Transducer DP-45, +/- 2.25CMH2O	600-1102-002	Validyne Pressure Transducer DP-250, +/- 2.25CMH2O	13-7715-59	7700 UniversalXE Amplifier, 4 channels, 16 bit, high & low pass filters	13-7715-35	7700 Carrier signal conditioner, 4 channels, 16 bit	600-1258-001	Barometric Pressure Sensor, 220 V	600-1259-001	Barometric Pressure Sensor, 115 V	600-1260-001	Mass Flow meter	600-1261-001	Flow meter analog out cable	Replacement Accessories		600-1000-001	Replacement screens	600-1002-001	Ball valve	600-1003-001	Water Bottle with sipper tube	600-1006-001	Rat Water Bottle Holder	600-1011-001	Guinea Pig Water Bottle Holder	600-2410-001	Rat Whole Body Plethysmograph chamber lid	600-2412-001	Rat Whole Body Plethysmograph chamber floor	600-2413-001	Rat chamber Gasket kit	600-2414-001	Rat chamber Refurbishment kit	600-2415-001	Rat chamber Plug and Feet kit	600-2610-001	Guinea Pig Whole Body Plethysmograph chamber lid	600-2612-001	Guinea Pig Whole Body Plethysmograph chamber floor	600-2613-001	Guinea Pig chamber Plug, Feet, and Gasket kit	600-2614-001	Guinea Pig chamber Refurbishment kit
Part Number	Description																																																														
600-2400-001	Rat Unrestrained Whole Body Plethysmograph chamber																																																														
600-2600-001	Guinea Pig Unrestrained Whole Body Plethysmograph chamber																																																														
Accessories																																																															
600-1210-001	Temperature Sensor																																																														
600-1211-001	Humidity Sensor																																																														
600-1212-001	Temperature Sensor Cable for Universal XE																																																														
600-1214-001	Humidity Sensor cable for UniversalXE																																																														
600-1100-002	Validyne Pressure Transducer DP-45, +/- 2.25CMH2O																																																														
600-1102-002	Validyne Pressure Transducer DP-250, +/- 2.25CMH2O																																																														
13-7715-59	7700 UniversalXE Amplifier, 4 channels, 16 bit, high & low pass filters																																																														
13-7715-35	7700 Carrier signal conditioner, 4 channels, 16 bit																																																														
600-1258-001	Barometric Pressure Sensor, 220 V																																																														
600-1259-001	Barometric Pressure Sensor, 115 V																																																														
600-1260-001	Mass Flow meter																																																														
600-1261-001	Flow meter analog out cable																																																														
Replacement Accessories																																																															
600-1000-001	Replacement screens																																																														
600-1002-001	Ball valve																																																														
600-1003-001	Water Bottle with sipper tube																																																														
600-1006-001	Rat Water Bottle Holder																																																														
600-1011-001	Guinea Pig Water Bottle Holder																																																														
600-2410-001	Rat Whole Body Plethysmograph chamber lid																																																														
600-2412-001	Rat Whole Body Plethysmograph chamber floor																																																														
600-2413-001	Rat chamber Gasket kit																																																														
600-2414-001	Rat chamber Refurbishment kit																																																														
600-2415-001	Rat chamber Plug and Feet kit																																																														
600-2610-001	Guinea Pig Whole Body Plethysmograph chamber lid																																																														
600-2612-001	Guinea Pig Whole Body Plethysmograph chamber floor																																																														
600-2613-001	Guinea Pig chamber Plug, Feet, and Gasket kit																																																														
600-2614-001	Guinea Pig chamber Refurbishment kit																																																														

DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.