



Parr Instrument Company

Instruction Manuals

You must register/log into access instruction manuals.

Click on any of the links below to view the PDF.

Calorimeter Manuals
204M 1341 Plain Jacket Calorimeter Operating Instructions
205M 1108 Oxygen Combustion Vessel Operating Instructions
206M 1901 Oxygen Combustion Apparatus Operating Instructions
207M Analytical Methods for Oxygen Bombs
209M 1104 Oxygen Combustion Vessel Operating Instructions
209M2 Supplemental Instructions for the 1104C Oxygen Combustion Vessel for Vacuum Applications
210M: 1121 & 1122 Oxygen Combustion Vessel Operating Instructions
213MA 167HW Delivery Pipet Operating Instructions
216M Model 1551 Water Cooler Operating Instructions
244MM Model 1755 Printer Operating Instructions
245M Model 1552 Water Cooler Operating Instructions
261M Field Calibration Procedure for Customer to Calibrate Pressure DPM
264M Dot Matrix Printer DP8340R Series Users Manual
272M Using an 1104 or 1107 Bomb in 1266 or 1261 Calorimeter Operating Instructions
295M Attaching Platinum Fuse Wire Operating Instructions
325M Pressure Switch Installation
327M Ignitions Using Platinum Wire & 2901 Ignition Unit
329M Model 1281 Calorimeter Packing & Shipping Instructions
330M Model 1271 Calorimeter Packing & Shipping Instructions for A750DD2 Mechanical Assembly
345M A1015DD Pump Priming Procedure
356M 1071DD Quad Ring Lubrication Information
375M 1108 Screw Cap for Oxygen Bombs
381M 1261/1266 Cover Replacement
390M 524A Capsule Liner Description & Use
415M Performa Therm Liquid Calorimetric Thermometers Operating Instructions
418M 1108P Oxygen Combustion Vessel Operating Instructions
434M 1356 Isoperibol Bomb Calorimeter Service Manual
435M 6300 Calorimeter Operating Instructions pre October 2010
442M 6200 Calorimeter Operating Instructions pre October 2010
451M 1564 Water Recirculation System Operating Instructions

454M: 6510 Water Handling System Operating Instructions
455M 6100 Calorimeter Operating Instructions pre October 2010
456M 6772 Calorimetric Thermometer Operating Instructions pre 11-2010
457M 6725 Semimicro Calorimeter Instructions pre October 2010
458M 6755 Solution Calorimeter Operating Instructions pre 11-2010
466M 1563A Water Handling System Operating Instructions
467M A1273DD Pump Assembly Screw Adjustment Settings
469M 6300 Calorimeter Packing & Shipping Instructions
470M 6200 & 6100 Calorimeter Packing & Shipping Instructions
473M 6750 Proximate Interface Operating Inst
475M 6520A Water Recirculation System Operating Instructions
476M: Creating & Installing CompactFlash Firmware Update
483M Introduction to Bomb Calorimetry
484M Installing 1666E Cartridge Heater & Adapter in 1563A Water Handling System
488M 6300 Hinge Conversion Installation
492M 1109A Semi-micro Oxygen Bombs Operating Instructions
493M 1109/1109A Semi-micro Oxygen Bombs Operating Instructions
501M 6200 Replacement Tubing Instructions
502M 6300 replacement Tubing Instructions
509M: 1108, 1108CL, 1108B, & 1108BCL Oxygen Combustion Vessel Parts Diagram
510M: 1108P & 1108PCL Oxygen Combustion Vessel Parts Diagram
511M: 1108R & 1108RCL Oxygen Combustion Vessel Parts Diagram
512M 1109 Oxygen Combustion Bomb Parts Diagram
513M 1109A Oxygen Combustion Bomb Parts Diagram
514M: 1104 High-Strength Oxygen Combustion Bomb Parts Diagram
515M 1136 & 1138 Oxygen Bombs with A895DD Head Parts Diagram
516M 1131 & 1131CL Oxygen Bombs Parts Diagram
517M 1107 Oxygen Bomb Parts Diagram
518M Remote Interface of 6000 Calorimeter Series Operating Instructions
528M Installing Second Resistor on 6510 Water Handling System
534M 6400 Calorimeter Operating Instructions pre October 2010
542M 6400 replacement Tubing Instructions
545M 6775/6775A Digital Thermometer Operating Instructions
568M Parr Detonation Calorimeter Instruction Manual
583M Time Dependent Material Properties Caution
584M: 6100 Calorimeter Operating Instructions post October 2010
585M 6200 Calorimeter Operating Instructions post October 2010
586M 6300 Calorimeter Operating Instructions post October 2010

587M 6400 Calorimeter Operating Instructions post October 2010
587M01 A693VBP145 Pressure Relief Valve (Supplement to 587M)
591M 6772 Calorimetric Thermometer Operating Instructions After 10-2010
592M 6725 Semimicro Calorimeter Instructions post October 2010
593M 6755 Solution Calorimeter Instruction Manual After 11-2010
596M: Creating & Installing SD Firmware Update
650M 6750 Proximate Interface Operating Instructions post January 2012
651M Replacing the A308HW Pump with the A2260HW Pump in the 6520A Water Recirculation System
652M Replacing the A308HW Pump with the A2261HW Pump in the 6510 Water Handling System
653M 1108V Oxygen Combustion Vessel Supplemental Operating Instructions
658M: 1108V & 1108VCL Oxygen Combustion Vessel Parts Diagram
660M Replacing the A308HW Pump with the A1254DD3 Pump in the 1536A Water Handling System
662M 1108R Oxygen Combustion Vessel Operating Instructions
691M 6050 Calorimeter Operating Instruction Manual
692M 1110, 1110CC, & 1110CL Oxygen Combustion Vessel Parts Diagram
694M Parr Pellet Press Operating Instructions
696M 1109X High Strength Semimicro Oxygen Combustion Vessel Operating Instructions
697M 1109X High Strength Semimicro Oxygen Combustion Vessel Parts Diagram
702M: A1570DD4 Gas Collection Assembly Kit Operating Instruction Manual
710M: A2340E LCD Transition Board Installation Instructions
712M: Piezotron Pressure Transducer Installation Manual

Stirred Reactor Manuals

230M Safety in the Operation of Reactors & Pressure Vessels
231M Safety Rupture Disc Assemblies Operating Instructions
231M2: Safety Rupture Discs Rated at Temperature Supplemental Instructions
233M Packed Glands Stirrers Operating Instructions
234M Magnetic Drive Operating Instructions
238M Series 4570/80 High Pressure/High Temperature Reactors Operating Instructions
273M Sealing Instructions for 44HC5 and 44HC6 Metal Gaskets
285M Flexible Graphite Gaskets Sealing Instructions
314M: Polytetrafluoroethylene (PTFE) Liners
323M Pressure Relief Valves Operating Instructions
359M Window Bolt Tightening Operating Instructions
364M Liquid Charging Pipette
365M: 2280 Gas Burette Operating Instructions
378M Series 5100 Low Pressure Stirred Reactors Operating Instructions
378M2: 4022HCJS O-Ring for 5110 Glass Cylinders Supplemental Instructions
383M Series 4520 Bench Top Reactors Operating Instructions

388M Series 4530 Floor Stand Reactors Operating Instructions
394M Series 4540 High Pressure Reactors Operating Instructions
395M Series 4550 Floor Stand Reactors Operating Instructions
396M Series 4560 Operating Instructions
397M Series 4570 HPHT Reactors Operating Instructions
398M: Series 4580 HPHT Reactors Operating Instructions
399M Series 4590 Micro Reactors Operating Instructions
402M Series 5000 Multiple Reactor System (MRS) Operating Instructions pre July 2013
403M Series 4555-4558 Operating Instructions
416M 4575/76 HP/HT Pressure Reactors Operating Instructions
441M: A3040HC Compact Magnetic Drive Operating Instructions
443M Series 5500 HPCL Reactors Operating Instructions - Mini
444M Retrofit Instructions for 5500 HPCL Reactors
445M Series 5500 Compact Micro Reactors Operating Instructions
490M Bottom Drain Valves Operating Instructions
524M 452HC Series Cylinders Constructed of Ti4 MWP
525M 452HC Series Cylinders Constructed of Ti2 MWP
526M 236HC Series Cylinders Constructed of Ti4 MWP
527M 236HC Series Cylinders Constructed of Ti2 MWP
529M Model 4921 and 4790STAND Stand with Heater Assembly
530M Side Seal Oblong Window Bolt Tightening Instructions
539M Side Seal Round Window Bolt Tightening Instructions
579M Bolt Tightening of Face Seal Oblong Windows Instructions
582M Jacket Pressure Rating Warning
583M Time Dependent Material Properties Caution
597M Installation Instructions for Addition of an Optical Tach Package on a Belt Driven Stirred Reactor
626M Series A238VB Valve Operation and Maintenance Instruction Manual
657M Reflux Condenser and Reflux/Take-off Condenser
661M A177VB2 Bottom Drain Valve Operating Instructions
667M Series 5000 Multiple Reactor System (MRS) Operating Instructions post July 2013
668M Grafoil Tape General Guidelines
670M A699VB Valve Operation and Maintenance Instruction Manual
687M A296VB2 Bottom Drain Valve Operating Instructions
688M Parr Magnetic Drive Shields Installation Instructions
708M Torque Wrench Corrections When Extensions are Used
711M: Borosilicate Glass Liners

Pressure Vessel Manuals

230M Safety in the Operation of Reactors & Pressure Vessels

231M Safety Rupture Disc Assemblies Operating Instructions
231M2: Safety Rupture Discs Rated at Temperature Supplemental Instructions
239M 4600 & 4700 General Purpose Pressure Vessels Operating Instructions
273M Sealing Instructions for 44HC5 and 44HC6 Metal Gaskets
285M Flexible Graphite Gaskets Sealing Instructions
294M Series 4740-4742 High Pressure Vessels Ratings
314M: Polytetrafluoroethylene (PTFE) Liners
323M Pressure Relief Valves Operating Instructions
359M Window Bolt Tightening Operating Instructions
364M Liquid Charging Pipette
365M: 2280 Gas Burette Operating Instructions
486M Drawing 9003 BARN
524M 452HC Series Cylinders Constructed of Ti4 MWP
525M 452HC Series Cylinders Constructed of Ti2 MWP
526M 236HC Series Cylinders Constructed of Ti4 MWP
527M 236HC Series Cylinders Constructed of Ti2 MWP
529M Model 4921 and 4790 STAND Stand with Heater Assembly
530M Side Seal Oblong Window Bolt Tightening Instructions
539M Side Seal Round Window Bolt Tightening Instructions
579M Bolt Tightening of Face Seal Oblong Windows Instructions
582M Jacket Pressure Rating Warning
583M Time Dependent Material Properties Caution
624M 5400 Tubular Reactor Systems Operating Instruction Manual
626M Series A238VB Valve Operation and Maintenance Instruction Manual
661M A177VB2 Bottom Drain Valve Operating Instructions
668M Grafoil Tape General Guidelines
670M A699VB Valve Operation and Maintenance Instruction Manual
687M A296VB2 Bottom Drain Valve Operating Instructions
708M Torque Wrench Corrections When Extensions are Used
711M: Borosilicate Glass Liners

Sample Preparation Manuals
205M 1108 Oxygen Combustion Vessel Operating Instructions
206M 1901 Oxygen Combustion Apparatus Operating Instructions
207M Analytical Methods for Oxygen Bombs
209M 1104 Oxygen Combustion Vessel Operating Instructions
209M2 Supplemental Instructions for the 1104C Oxygen Combustion Vessel for Vacuum Applications
210M: 1121 & 1122 Oxygen Combustion Vessel Operating Instructions
243M Models 4781 & 4782 Microwave Acid Digestion Vessels Operating Instructions

249M 4744-49 Acid Digestion Vessels Operating Instructions
295M Attaching Platinum Fuse Wire Operating Instructions
375M 1108 Screw Cap for Oxygen Bombs
390M 524A Capsule Liner Description & Use
418M 1108P Oxygen Combustion Vessel Operating Instructions
492M 1109A Semi-micro Oxygen Bombs Operating Instructions
493M 1109/1109A Semi-micro Oxygen Bombs Operating Instructions
509M: 1108, 1108CL, 1108B, & 1108BCL Oxygen Combustion Vessel Parts Diagram
510M: 1108P & 1108PCL Oxygen Combustion Vessel Parts Diagram
511M: 1108R & 1108RCL Oxygen Combustion Vessel Parts Diagram
512M 1109 Oxygen Combustion Bomb Parts Diagram
513M 1109A Oxygen Combustion Bomb Parts Diagram
514M: 1104 High-Strength Oxygen Combustion Bomb Parts Diagram
515M 1136 & 1138 Oxygen Bombs with A895DD Head Parts Diagram
516M 1131 & 1131CL Oxygen Bombs Parts Diagram
517M 1107 Oxygen Bomb Parts Diagram
583M Time Dependent Material Properties Caution
653M 1108V Oxygen Combustion Vessel Supplemental Operating Instructions
658M: 1108V & 1108VCL Oxygen Combustion Vessel Parts Diagram
662M 1108R Oxygen Combustion Vessel Operating Instructions
665M Series 4635-39 Cell Disruption Vessels Operating Instructions
665M2 Parr 4639 Cell Disruption Vessels Supplement
692M 1110, 1110CC, & 1110CL Oxygen Combustion Vessel Parts Diagram
694M Parr Pellet Press Operating Instructions
702M: A1570DD4 Gas Collection Assembly Kit Operating Instruction Manual
712M: Piezotron Pressure Transducer Installation Manual

Controller Manuals

448M CAL 9500P Process Controller Operating Instructions
495M 4856 Controller CD
519M 4857 Process Controller Operating Instructions
531M Installation for Optical Tach Package Instructions
532M Field Installation of High Temp Digital Panel Meter Instructions
533M Field Installation of A1960E Series Pressure Digital Panel Meter Instructions
535M 4871 Process Controller Supplemental Instructions
548M 4848 Reactor Controller Instruction Manual
551M 4838 Controller Operating Instructions
553M A2110E Motor Controller Operating Instructions
555M TDM Installation in 4848 Reactor Controller Instructions

556M PDM Installation in 4848 Reactor Controller Instructions
557M HTM Installation in 4848 Reactor Controller Instructions
558M Primary Temp Meter Installation in 4848 Reactor Controller Instructions
559M ETLM-HTML Installation in 4848 Reactor Controller Instructions
560M MTM Installation in 4848 Reactor Controller Instructions
561M Primary Temp Installation in 4838 Reactor Controller Instructions
562M PDM Installation in 4838 Reactor Controller Instructions
563M HTM Installation in 4838 Reactor Controller Instructions
564M ETLM-HTML Installation in 4838 Reactor Controller Instructions
567M 4875 Power Controller Operating Instructions
569M CAL 9500P Installation in 4840 Controller Instructions
575M 4848B Reactor Controller Operating Instructions
577M SpecView Installation in 4848 Reactor Controller Instructions
594M Model A2200E Flow Controller Operating Instructions
598M Valve Controller Operating Instructions
599M Motor Control Module (MCM) Installation in 4848 Reactor Controller Instructions
684M Field Installation of High Temp Digital Panel Meter (DPM) in 1862HC Style Chassis
701M 4878 Automated Liquid Sampler Operating Instructions
706M A2338E Current to Pressure Converter Assembly Description and Specifications

Shaker Hydrogenation Apparatus Manuals

271M Series 3900 Shaker Hydrogenator Operating Instructions
