

# Midland Revision Tracking

IOM Description	REV #	ISSUE DATE	SUPERSEDES	SECTION REVISED	REVISION DESCRIPTION	NOTIFICATION DATE (e-Blast)
A-22075/22076 High-Flow Internal-Style PRV IOM	1.2	11-4-2021	1.1	4.1.3.1	Updated valve stem TIR	
A-430-S/A-432-S/A-434-S Rupture Disc Device IOM Renamed to A-430/A-432/A434 Rupture Disc Device IOM	1.1	10-18-2021	1.0	2 3.1.8 4.1 4.1.1 4.2.4 4.3 5.1 5.1.11	Added in other model BOM's including A-43X & A-43X-T Updated bolt tightening pattern to cross pattern Steps and figures updated to account for welded parts Added in warning Updated figure and inspection criteria Steps and figures updated to account for welded parts Steps and figures updated to account for welded parts Updated bolt tightening pattern to cross pattern	
A-720/721-B and 724 Top Transfer 2" Angle Valve	1.7	10-8-2021	1.6	2 7.2	BOM's & Corresponding images updated to current drawings Added in retainer reassembly instructions	
A-1000	3.6	8-6-2021	3.5	4.2.6	Added dye test requirement	
A-3000-M	4.0	6-21-2021	3.9	4.1.2.3	Updated thread inspection criteria	
A-2000	1.6	5-14-2021	1.5	2.2	Additional Caution / additional grease information	
A-520/A-522/A-522A 4" Bottom Outlet Ball Valve	3.0	4-1-2021	2.2	2.1 4.1.6.1 4.4 4.5.10	Included A-522A bill of materials Updated instructions and item numbers for A-522A Updated notice to distinguish between A-522A and A-522 Included caution and updated item numbers for A-522A instructions	4-5-2021
A-1000	3.5	2-10-2021	3.4	Table 2-4	Updated flow rates for all models	4-5-2021
A-14150/A-14499 External Pressure Relief Valve	1.0	2-8-2021	0.0	Table 4.1 4.2.12 Table 4.3	Updated "Item 27" to correct, BOM-listed "Item 22"	4-5-2021
A-1000	3.4	1-26-2021	3.3	4.2.5	Updated inspection instructions	4-5-2021
A-547PL Series Bottom-Outlet Plug Valve	1.0	1-12-2021	0.0	5.4.24	Updated location for tag placement	4-5-2021
A-2000	1.5	1-11-2021	1.4	3.1.2	Updated thread inspection criteria	1-4-2021
A-1000	3.3	12-16-2020	3.2	4.2.2	MPI / Dye-Pen requirement removed due to part being casted, not welded.	1-4-2021
A-3000-M	3.9	11-6-2020	3.8	8.1.7	Updated torque requirements	1-4-2021
A-520/A-522 4" Bottom Outlet Ball Valve	2.2	8-18-2020	2.1	Figure 4-1, 4-2 4.1.8 Routine Maintenance	Updated wrench requirements for locknuts	1-4-2021
A-520/A-522 4" Bottom Outlet Ball Valve	2.1	5-12-2020	2.0	4.2.1 4.5.34	Added cap inspection criteria Added secondary testing pressure	1-4-2021
A-3000-M	3.8	2-28-2020	3.7	4.1	Images were updated to be more clear where to inspect (4.1.4 & 4.1.6)	3-23-2020
A-1477/A-14167	1.0	2-20-2020	0.0	4.3.16	Corrected procedural step	3-23-2020
A-718D-ML-H01	1.0	2-20-2020	0.0	n.a.	Manual updated to be named A-718D, to cover A-718A, A-718B, and A-718C	3-23-2020
A-19075	2.3	2-19-2020	2.2	6	Tooling part numbers revised and added.	3-23-2020
A-35000 Series Internal Style IOM	3.7	1-27-2020		4.1.6	Spring table updated with corrected models	3-23-2020
A-3000 Series Internal Style IOM	3.7	7-23-2018	3.6	4.1	Added inspection of valve body seat seal and crown	7-23-2018
A-424/A-460 Operation Inspection and Maintenance Manual	1.3	6-29-2018	1.2	Reassembly Step 15	Retainer nut torques revised from 50 ft-lbs to 30 ft-lbs	6-29-2018
A-430-S, A-432-S & A-434-S Series Rupture Disc Device	1.0	6-29-2018	0.0	4.3.8 5.1.11	Retainer nut torques revised from 50 ft-lbs to 30 ft-lbs	6-29-2018

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A-720/721-B and 724 Top Transfer 2" Angle Valve	1.6	6-26-2018	1.5	3.1.3 8.1.7	Locknut torque requirement now 65 ft-lbs. (Previously only needed to be "snug")	6-27-2018
A-720 Series 2" Angle Valve Kit Instructions	0	6-26-2018	n.a.	n.a.	New IOM. 2" and 3" kit instructions separated into two documents. Includes new 2" rebuild instructions and packing torque requirements Prior applicable IOM was A-720/A-734 Angle Valve Repair Kit Instructions, Rev 3.3	6-27-2018
A-730/A-734 3" Angle Valve Repair Kit Instructions	0	6-26-2018	n.a.	n.a.	New IOM. 2" and 3" kit instructions separated into two documents. Prior applicable IOM was A-720/A-734 Angle Valve Repair Kit Instructions, Rev 3.3	6-27-2018
A-720/721-B and 724 Top Transfer 2" Angle Valve	1.5	6-18-2018	1.4	1.2 2.2 3.1.3 4.2.1 5.1.5 / 5.1.7 5.1.9 - 5.1.12 6.1.3, 6.1.4, 6.1.7 7.2 8.1	Valve Component Update Clarified bolt tightening for proper installation Update for tightening of packing locknut/ torque in valve Op Proc Change to mounted valve leak repair procedure Update procedure for outlet flange removal / Removed hammer for loosening u-bolt Updated procedure to remove packing now with new components Added inspection requirements Updated assy for new parts / specified packing screw/locknut torques Valve testing to 600 psi with not to exceed 700 psi	6-18-2018
A-205/A-222 Series Vacuum Relief Valve IOM	1.3	5-18-2018	1.2	Maintenance Step 8	Removed measurement of stem travel as check	5-25-2018
A-3000 Series Internal Style IOM	3.6	5-23-2018	3.5	1.4.4	Corrected locknut sizes and tool requirements	5-25-2018
A-1000 Series Internal Style IOM	3.2	4-10-2018	3.1	4.3, 4.3.15, 5.1.9	Changed Locknut torque to 65 +/- 5 ft-lbs	4-10-2018
A-1076/A-1281 Pressure Relief Valve	2.1	4-10-2018	2	4.3, 4.3.15, 5.1.10	Changed Locknut torque to 65 +/- 5 ft-lbs	4-10-2018
A-2000 Series Internal Style Pressure Relief Valve	1.4	4-10-2018	1.3	4.4.9	Changed Locknut torque to 100 +/- 10 ft-lbs	4-10-2018
A-3000 Series Internal Style IOM	3.5	4-10-2018	3.4	1.4.4 (Table 1-2)	Changed Locknut torque to 100 +/- 10 ft-lbs	4-10-2018
A-2000 Series Internal Style Pressure Relief Valve	1.3	2-23-2018	1.2	4.4.9	Clarified torque setting for top lock nut as a range	2-23-2018
A-180/A-183 Check Valve	6.2	1-12-2018	6.1	Installation	Revised and added detail to installation weld procedure	1-12-2018
A-541 Bottom Outlet Plug Valve	1	1-12-2018	0	n.a.	Revised, Reformatted IOM	1-12-2018
A-19075 "SmartFlow" External PRV	2.1	1-12-2018	2	4.1, 4.4	Added press dimensional recommendations. New step added for inspect and clean of valve body internal threads	1-12-2018
A-2000 Series Internal Style Pressure Relief Valve	1.2	12-11-2017	1.1	3.1.6	Revised spring table to remove assemblies from list that are not A-2000 assemblies	12-11-2017
A-1000 Series Internal Style IOM	3	9-28-2017	2.4	n.a.	Revised, Reformatted IOM	9-28-2017
A-1076/A-1281 Pressure Relief Valve	2	8-22-2017	1.2	n.a.	Revised and reformatted. Added details/specs for 1281 Series	8-23-2017
A-180/A-183 Check Valve	6.1	7-24-2017	6	Inspection, Paragraph 2	Removed references to tools T-A-180-2 and T-A-180-3	7-24-2017
A-210/212 Vacuum Relief Valves	2.1	7-5-2017	2	3.2 - 3.3 4.1.8, 4.4.3.3, 4.8.1 4.4	Revised install tool list. Added note in procedure for cleaning threads Qty of Item 13 Insert changed from 2 to 1 for adjust and locking rings Added Table 4-3 for replacement parts	7-6-2017

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A-720/721-B and 724 Top Transfer 2" Angle Valve	1.4	6-5-2017	1.3	1.3.4, 3.1.3 7.2.17	Updated required tools spec - torque wrenches Modified packing screw and locknut adjustments/torques	6-6-2017
A-720/A-734 Repair Kit	3.3	6-5-2017	3.2	Valve Reassembly	Corrected packing screw and locknut adjustments/torques	6-6-2017
713 Series O-Ring Kit Instructions	2.1	5-5-2017	2	Valve Reassembly	Packing screw torque specification	5-5-2017
A-713/A-715 1" Angle Valves	1.7	5-4-2017	1.6	Valve Reassembly, Step 18 Body Insert Inspection	Packing screw torque specification Eliminated body insert remachining instruction	5-4-2017
A-220/A-222 Vacuum Relief Valve IOM	2	4-28-2017	1	n.a.	Revised, Reformatted IOM	4-28-2017
A-14150/A-14499 External Pressure Relief Valve	0	4-28-2017	n.a.	n.a.	new IOM	4-28-2017
B-240/B-243 Emergency Response Kit	0	3-28-2017	n.a.	n.a.	new IOM	4-28-2017
A-720/721-B and 724 Top Transfer 2" Angle Valve	1.3	3-9-2017	1.2	3.1.3, 7.2.17 8.2.5	Modified packing screw and locknut adjustments/torques Added WD 40 or equivalent as appropriate preservative	3-9-2017
A-713/A-715 1" Angle Valves	1.6	3-9-2017	1.5	Operating Instruct. Step 3 Valve Re-assembly Step 8	Modified packing screw adjustments/torques	3-9-2017
A-718C Series 1" Angle Valves	1	3-9-2017	Rev 0, dated Aug 21, 2015	3.1.3, 8.1.14	Modified packing screw adjustments/torques	3-9-2017
A-730/A-734 3" Angle Valves	1.1	3-9-2017	1	3.1.3 7.2.17 - 7.2.18	Modified packing screw and locknut adjustments/torques	3-9-2017
A-720/A-734 Repair Kit	3.2	3-9-2017	3.1	Reassembly - 5th and 20th bullets	Modified packing screw and locknut adjustments/torques	3-9-2017
A-728 Series 2" Angle Valve	2/17	2-22-2017	2/11	Valve Re-assembly Step 11	Specification for tightening socket cap screws revised from 20 to 10 ft-lbs	2-22-2017
A-720/721-B and 724 Top Transfer 2" Angle Valve	1.2	2-20-2017	1.1	3.1.3 7.2.17 - 7.2.18	Added packing screw torque specification and updated torque specification for locknut	2-20-2017
B-50 Series Bottom Washout	0	2-20-2017	n.a.	n.a.		2-20-2017
A-1477/A-14167 Series External-Style Pressure Relief Valve	0	2-20-2017	n.a.	n.a.	New IOM	2-20-2017
A-547PL Series Bottom-Outlet Plug Valve	0	2-20-2017	n.a.	n.a.	New IOM	2-20-2017
A-430-S, A-432-S & A-434-S Series Rupture Disc Device	0	2-20-2017	n.a.	n.a.	New IOM	2-20-2017
A-520/A-522 4" Bottom Outlet Ball Valve	2	2-20-2017	1.8	n.a.	Revised, Reformatted IOM	2-20-2017
A-210/212 Vacuum Relief Valves	2	2-20-2016	1	n.a.	Revised, Reformatted IOM	2-20-2017
A-19075 "SmartFlow" External PRV	2	1-27-2017	1.1	n.a.	Revised, Reformatted IOM	1-27-2017
A-720/721-B and 724 Top Transfer 2" Angle Valve	1.1	1-27-2017	1	3.1.3 7.2.17	Torque requirements for packing locknut. Add step and re-numbering	1-27-2017
A-3000 Series Internal Style IOM	3.4	12-14-2016	3.3	7.2	Torque setting for bottom locknut revised to 150 ft-lb from 90 ft-lb	12-14-2016
A-520/A-522 4" Bottom Outlet Ball Valve	1.8	10-27-2016	1.7	5.2	Acceptable temp range for ass'y and test 40 deg F to 100 deg F	11-2-2016

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A-1402C Series External Style PRV IOM	1.2	9-27-2016	1.1	7.1.5	Test the joint between the tell-tale valve and the threaded connection	9-30-2016
A-713	1.5	9-16-2016	1.4	Installation #9	Added mounting torque maximum	9-20-2016
BOV O-Ring Kit Instructions	2.1	8-30-2016	2	n.a.	Clarified Preparation Step 2	9-1-2016
A-220/A-222 Vacuum Relief Valve IOM	1	8-22-2016	0	7.2	Clarified positive pressure and vacuum test procedures	9-1-2016
A-520/A-522 4" Bottom Outlet Ball Valve	1.7	7-26-2016	1.6	5.3	Note valve position for stem test 5.3.40	8-2-2016
A-1000	2.4	7-25-2016	2.3	3.1.4	Removed the word "hydraulic" from hydraulic press	8-2-2016
A-1076	1.2	7-25-2016	1.1	3.1.4		8-2-2016
A-1400	3.1	7-25-2016	3	3.1.6		8-2-2016
A-1402	1	8-2-2016	0	4.1.7.2		8-2-2016
A-14378	1.1	7-25-2016	1	3.1.6		8-2-2016
A-19075	1	7-25-2016	0	4.1.6.2		8-2-2016
A-2000	1.1	7-25-2016	1	2-1-2010		8-2-2016
A-22075/A-22076	1.1	7-25-2016	1	4.1.7.2		8-2-2016
A-23075	1	7-25-2016	0	4.1.7.2		8-2-2016
A-3000	3.3	7-25-2016	3.2	4.1.6.2		8-2-2016
A-220/222 Vacuum Relief Valve IOM	0	7-11-2016	A-205/A-222 Vacuum Relief Valves IOM Rev.1.2 *** FOR A-220/222 ONLY ***	n.a.		New IOM
A-1000 Series Internal Style IOM	2.3	6-13-2016	2.2	8.1.3	Revised the photo for the adjustment and locking nuts	7-5-2016
A-1076 Series Internal Style IOM	1.1	6-13-2016	1	8.1.3	Revised the photo for the adjustment and locking nuts	7-5-2016
A-3000 Series Internal Style IOM	3.2	6-13-2016	3.1	8.1.4	Revised the photo for the adjustment and locking nuts	7-5-2016
B-612 Magnetic Gaging Device	201160615	6-16-2016	20210822	6.1.2	Revised the test weight specification	7-5-2016
A-720/A-734 Repair Kit	3.1	5-23-2016	3	n.a.	Added torque spec for installation of outlet flange	6-1-2016
A-210/212 Vacuum Relief Valves	0	5-20-2016	A-205/A-222 Vacuum Relief Valves IOM Rev.1.2 *** FOR A-210/212 ONLY ***	n.a.	New IOM	6-1-2016
A-22075/22076 "HighFlow" PRV	1	5-12-2016	0	8.0, 8.2	Clarified requirements for seal wires on both bottom spring adjustment nuts	6-1-2016
A-19075 "SmartFlow" External PRV	0	5-2-2016	n.a.	n.a.	New product IOM initial release	4-29-2016
A-2000 Series Internal Style IOM	1	2-16-2016	A-1000/A-37000, Rev 0	1	Modified spring compression warnings.	4-29-2016
A-1400 Series External Style IOM	3	2-16-2016	2.7	1	Modified spring compression warnings.	4-29-2016
A-1402C Series External Style PRV IOM	1	2-16-2016	0	1.3.2	Modified spring compression warnings.	4-29-2016
A-14378 External Style PRV IOM	1	2-16-2016	0	1	Modified spring compression warnings.	4-29-2016
A-15000 Series External Style IOM	3	2-16-2016	2.7	1	Modified spring compression warnings.	4-29-2016
A-1600 Series External Style IOM	3	2-16-2016	2.7	1	Modified spring compression warnings.	4-29-2016
A-1700 Series External Style IOM	3	2-16-2016	2.7	1	Modified spring compression warnings.	4-29-2016

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A-1900 Series External Style IOM	3	2-16-2016	2.7	1	Modified spring compression warnings.	4-29-2016
A-520/A-522 4" Bottom Outlet Ball Valve	1.6	2-4-2016	1.5	4.1, 4.2, 5.3	Revised valve disassembly for inspection, component inspection criteria. Reordered (corrected)	4-29-2016
A-536/A-567 Bottom Outlet Plug Valve	1.7	12-15-2015	1.6	Maintenance	Handling instructions for Item 14 wiper	4-29-2016
A-3000 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-3100 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-3200 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-3400 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-35000 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-37000 Series Internal Style IOM	3.1	11-25-2015	A-1000/A-37000, Rev 5.3	4.1.3	Valve stem concentricity, now .025" (vs .05)	8-7-2015
A-1000 Series Internal Style IOM	2.2	10-27-2015	A-1000/A-37000, Rev 5.3	n/a	New format, brand unification	none
A-541 Bottom Outlet Plug Valve	0	10-1-2015	n.a.	n.a.	New product IOM initial release	4-29-2016
A-23075 High-FlowX Pressure Relief Valve IOM	0	9-1-2015	n/a	n/a	New product	none
A-23075 "High-FlowX" External PRV	0	9-1-2015	n.a.	n.a.	New product IOM initial release	4-29-2016
A-1076 Internal Style (Low Profile) IOM	1	7-1-2015	n/a	n/a	New product	none
A-22075/22076 High-Flow Internal Style PRV	0	9-15-2014	n/a	n/a	New product	none