

Agility Fuel Solutions is the leading global provider of highly-engineered and cost-effective compressed natural gas, liquid natural gas, propane, and hydrogen fuel systems and type-4 composite cylinders for medium- and heavy-duty commercial vehicles. To enhance this position, we are committed to continuous improvement in all aspects of our business. A primary element of this mission is to optimize relationships with our suppliers.

Key suppliers are rated on their on-time delivery, quality performance and overall responsiveness. Agility Fuel Solutions may issue periodic supplier performance reports to assist the supplier in tracking their quality and delivery ratings. Required improvement will be communicated to the supplier and it is the supplier's responsibility to implement improvement projects or request assistance from Agility Fuel Solutions.

1 Supplier Quality Management Systems

1.1 Supplier Quality Management System Requirements – General:

ALL suppliers, as a fundamental principle of their quality system, shall:

- Incorporate all requirements of this Supplier Quality Manual into its quality management system.
- Comply with all stated Agility Fuel Solutions purchasing requirements.
- Comply with all applicable laws, regulations and standards, regardless of whether they are stated in Agility Fuel Solutions purchasing requirements.

Suppliers shall establish, document, and implement an effective quality management system, with the minimum goal of compliance to all applicable requirements of ISO 9001.

1.2 Supplier Quality Management System Requirements – Critical Products:

Agility Fuel Solutions has higher expectations for suppliers that could directly affect product safety and performance. This includes suppliers of parts and material used to construct cylinders and suppliers of flow components.

These suppliers must maintain an active ISO 9001 (or equivalent) Quality Management System certification from a nationally-accredited registrar. If an existing (or potential new) supplier has not obtained this certification, the supplier must provide to Agility Fuel Solutions:
a statement of commitment from their top management to obtain certification within a 12-month period,
a credible written project plan to obtain certification, and
periodic updates regarding status of the certification project.

1.3 Quality System Surveillance:

Periodic surveillance of the supplier's Quality Control System may be performed at Agility's discretion. Agility shall have the right to access and inspect the quality of work, records and materials at all supplier facilities involved in the order.

If a change in the suppliers' ownership, top management or ISO 9001 certification status occurs, the supplier shall notify Agility Buyer and Supplier Quality Engineer in writing within 10 days.

2 Supplier Product Requirements

2.1 Supplier Product Certification Requirements – Critical Products

Agility Fuel Solutions specifications include applicable product standards (such as PRD1, NGV3.1, ECE R110 and ISO 15500) for pressure system components such as valves, regulators, pressure relief devices, cylinders, and fire protection systems. Current revisions apply unless noted otherwise. Due to the potential impact on product safety and performance, Agility Fuel Solutions has higher expectations of suppliers of these components:

- The supplier must maintain active certification to the specified product standard(s). These certifications must come from a recognized 3rd party approval agency (such as DNV, TÜV, CSA, UL, Lloyds, etc.). Certificates must be available at the request of Agility Fuel Solutions. Test reports or Statements of Conformity/Compliance are not acceptable substitutes.
- Components must be identified with the 3rd party agency's approval mark.
- Components must be manufactured, inspected and tested in accordance with the product standard. Additional requirements may be identified in an Agility Fuel Solutions Quality Clause or product specification.
- If a supplier has not obtained the specified product certification¹, they must provide to Agility Fuel Solutions:
 - a Supplier Deviation Request, noting the missing certification,
 - test data sufficient to demonstrate adequate product safety and performance,
 - evidence of acceptable manufacturing, inspection and testing process,
 - a statement of commitment from their top management to obtain certification within a 6-month period,
 - a written project plan to obtain certification, and
 - periodic updates regarding status of the certification project.
- The supplier retains full responsibility for their product's design and performance. The supplier shall manage the configuration of their product such that design and process changes are controlled and effectively validated. Suppliers shall formally submit notice of change, via a Product/Process Change Notification, and associated validation plan to Agility Fuel Solutions. Agility Fuel Solutions reserves the right to require additional product testing to validate performance.
- For each delivery of certified products, suppliers shall provide a Statement of Conformity to the Agility Fuel Solutions specification number and revision letter. Statements of Conformity to the supplier part number is not an acceptable substitute.

¹ Note: In some limited situations (approved by Agility Fuel Solutions), a component may not fit exactly into any one existing product standard and formal 3rd party certification may not be available. In these cases:

- Agility Fuel Solutions will create a tailored specification that selects the most appropriate and applicable product standard requirements.
- Test reports, with a Statement of Conformity, are acceptable substitutes.
- Agility Fuel Solutions will verify that the components are manufactured, inspected and tested in accordance with the tailored specification.

Acceptance of an Agility Fuel Solutions Purchase Order, indicates the supplier's agreement to comply with the requirements defined within this Supplier Quality Manual.

3 General Requirements

3.1 Standards Revisions

The supplier will be responsible for procuring and maintaining the revision levels of external documents and standards that are specified by Agility Fuel Solutions in the Part Drawings, Material Specifications and Purchase Orders. This may include obsolete revisions, where required.

3.2 Record Retention

Suppliers shall maintain accurate records, which provide evidence that Agility Fuel Solutions' (and its customers') conformance requirements are met. Documented procedures shall be in place defining responsibilities for records control as outlined within the supplier's quality management system requirements.

Where required, the supplier will maintain production, inspection, testing, and material traceability records for a minimum of 10 years, per applicable product standards, regulatory/statutory requirements, or Agility Fuel Solutions requirements (whichever is greater).

3.3 On Time Delivery

Suppliers must establish systems, plans and activities with the goal to achieve 100% on-time delivery to Agility Fuel Solutions. Suppliers must notify their Agility Fuel Solutions Purchasing contact of any delivery problem prior to the products required delivery date.

3.4 Product Quality

Suppliers shall ensure that their (and their sub-suppliers') products are in compliance with Agility Fuel Solutions purchasing requirements, including all referenced product drawings and material specifications. If the quality level falls below the established standard, parts and materials shall be considered nonconforming. The supplier shall take immediate containment action and re-establish conformance.

3.5 Purchase Orders

Specific requirements, referred to as Quality Clauses, may be identified as numbers on the Purchase Order or within material specifications. Section 6 of this document lists these Quality Clauses.





3.6 Special Characteristics

Some Agility Fuel Solutions product specifications have features designated as special characteristics. Identified special characteristics shall be cascaded throughout the supplier's own drawings and work instructions. The Supplier is also responsible for communicating all Agility Fuel Solutions special characteristics to their sub-suppliers and ensuring effective cascading throughout all sub-supplier drawings and work instructions.

Supplier production processes shall be validated to ensure that Special Characteristics are under control with sufficient process performance/capability. Table 4.1 shows the minimum acceptance criteria for special characteristics. Alternative acceptance criteria or methods may be developed for unique situations (such as attribute data or non-normal distributions) with Agility Fuel Solutions approval.

Supplier processes shall be aimed at the center of the tolerance range unless otherwise directed in writing by Agility Fuel Solutions Quality. This data must be readily available upon request.

Table 3.6-1, Process Control Requirements for Special Characteristics

Critical Characteristic  or 	Significant Characteristic  or 
<ul style="list-style-type: none"> Stable process with long-term capability $C_p/C_{pk} > 1.67$, or Stable process with short-term performance $P_p/P_{pk} > 1.67$, or Machine capability $C_{mk} > 1.67$, or 	<ul style="list-style-type: none"> Stable process with long-term capability $C_p/C_{pk} > 1.33$, or Stable process with short-term performance $P_p/P_{pk} > 1.33$, or Machine capability $C_{mk} > 1.33$, or
<ul style="list-style-type: none"> Validated poke yoke, or 100% inspection (using a measurement system with acceptable uncertainty or Gage R&R), or Material certification (for supplied bulk materials only) 	

The default acceptance criteria for Gage Repeatability and Reproducibility (Gage R&R) studies is shown in Table 4-2. When the uncertainty of a measurement system is calculated, the default minimum Test Uncertainty Ratio (TUR) limit is 4:1 at a 95% confidence (k=2). Alternative measurement system analysis criteria, limits and methods may be developed for unique situations with Agility Fuel Solutions approval.

Table 3.6-2 - Gage Repeatability & Reproducibility Requirements

Total Gage R&R ²	Decision
Less than 10%	Acceptable
10-30%	Acceptable with approval of Director of Quality (and Customer, if required)
More than 30%	Unacceptable

3.7 Product or Process Change Notification

The supplier is required to provide notification prior to making a change to their process or material that may impact Agility's product or service quality. This notification should be done via a Product/Process Change Notification (PPCN) submitted to Agility Fuel Solutions. The PPCN template can be found on the Agility Fuel Solutions website.

Agility Fuel Solutions agreement must be obtained for any permanent change that affects the final product fit, finish, function or reliability, prior to the change. The PPCN approval must be included with the PPAP submission.

² For SPC applications, use the process control limits (or short-term study variation). For non-SPC applications, use the narrowest part tolerance limit.

Acceptance of an Agility Fuel Solutions Purchase Order, indicates the supplier's agreement to comply with the requirements defined within this Supplier Quality Manual.

3.8 Zero Defects Inspection and Acceptance

The supplier shall adopt zero-defect acceptance criteria for parts and materials supplied to Agility Fuel Solutions. Agility Fuel Solutions uses and recommends “Zero Acceptance Number Sampling Plans by Nicholas Squeglia”. Table 4.3 provides the minimum acceptance sampling plan levels for inspection.

Table 3.8 – MINIMUM ACCEPTANCE SAMPLING PLAN

INSPECTION LEVEL	SAMPLING PLAN LEVEL REQUIRED
Tightened	Inspect at AQL 1.0, c=0 sampling plan
Normal	Inspect at AQL 2.5, c=0 sampling plan
Reduced (NOT for use with special characteristics)	Inspect at AQL 4.0, c=0 sampling plan

3.9 PPAP

PPAP or First Article Inspection (FAI) shall be performed on all new or revised parts, as required. Results shall be submitted to Agility Fuel Solutions. In addition to new products, PPAP or FAI will be required after 12 months of non-production of a given part number. PPAP/FAI samples should be submitted and labeled per section 5.5 of this document.

When a PPAP submission is required, the AIAG format shall be used unless otherwise specified by Agility Fuel Solutions. A template can be found on the Agility Fuel Solutions website. Required PPAP levels will be specified via a PPAP Request or in a Purchase Order's Quality Clauses.

If the PPAP documents demonstrate compliance to the requirements in Table 4.1 and all other Internal/Customer requirements, then the Part Submission Warrant (PSW) may be approved. Once approved, production parts are authorized to ship to Customers.

Interim approval may be given by Agility Fuel Solutions for a limited time period or production quantity. Interim approval will be considered if:

- Agility Fuel Solutions determines non-compliances to be low-risk, and
- There is an effective containment and improvement plan in place to resolve the non-compliances.

3.10 Control, Monitoring & Verification of Tooling/Equipment

Suppliers shall follow ISO 9001:2015 (section 8.5.3) to identify, verify, protect and safeguard all physical and intellectual property provided by Agility Fuel Solutions. Property provided by Agility Fuel Solutions shall only be used for Agility Fuel Solutions applications (unless otherwise approved in writing).

The supplier must notify Agility Fuel Solutions Purchasing immediately if any tooling, equipment or measurement devices are found to be incapable of meeting the required performance or accuracy levels.

The supplier is responsible for, and financially accountable for routine maintenance and/or calibration of tooling, equipment and measurement devices provided by Agility Fuel Solutions. Records of supplier calibration, maintenance and repair shall be kept and available for review by Agility Fuel Solutions upon request.

Routine maintenance includes (but is not limited to) regular cleaning and upkeep, replacement of worn parts (i.e. springs, ejector components, switches etc.). Preventive maintenance of molds,

cavities or other manufacturing, testing tools shall be performed a minimum of once per year, or after a period of 3 month inactivity, whichever occurs first.

The supplier shall have a suitable calibration system providing documented calibration of tools/instruments utilized during inspection of material. The system shall be traceable to the National Institute of Standards and Technology.

4 Non-Conforming Material

At no point is a supplier authorized to send product to Agility which does not meet the Purchasing requirements. The supplier must notify Agility Fuel Solutions Purchasing or Quality immediately by phone of non-conforming (or potentially non-conforming) product delivered to Agility Fuel Solutions. The supplier shall then promptly send a follow-up email to Agility Fuel Solutions Purchasing and Quality.

4.1 Request for Deviation

Any supplier can request a temporary deviation or permanent engineering change. The supplier can submit a deviation/change request in their own format or they can use the Agility Fuel Solutions deviation/change request form. Route supplier deviation/change request to the Agility Fuel Solutions Purchasing.

A sample may be required to perform a trial to assure fit, form, function and any other requirement as determined by Agility Fuel Solutions. Deviations shall be for a specified length of time, a specified quantity of material or until a specified date. Once a deviation is approved, all product delivered under the approval shall be accompanied by a copy of the deviation.

4.2 Non-Conformance Report

Agility Fuel Solutions shall initiate a Non-conformance Report for containment and disposition of nonconforming material received at any Agility Fuel Solutions facility. The Non-conformance Report will also serve as the initial documentation of the nonconforming condition and charges.

This report shall accompany product or material returned to the supplier. If a supplier has given authorization to have parts scrapped at Agility Fuel Solutions, the supplier can request a copy of the report.

4.3 Containment

Immediate and effective containment of potentially non-conforming material is required. The scope of containment always must consider material at the supplier, in-transit, at Agility Fuel Solutions, in customers' facilities and in use in the field. This material shall remain contained until all suspect material is properly dispositioned. Disposition can include, but is not limited to, return of material, sorting, rework, and scrap.

Priority delivery of certified "clean" inventory may be necessary, at the supplier's expense, to reduce the impact on downstream operations. Certified inventory is material that has been 100% sorted, inspected or retested (using methods approved by Agility Fuel Solutions) to be outside the effectivity of a given quality issue. Certified inventory shall be identified with a green dot (at least ½" in diameter) on the label of each box/package. Additional identifiers may be required depending on the situation. Agility Fuel Solutions Buyer or Quality Engineer will advise the supplier of any additions or changes to this requirement.

Agility Fuel Solutions reserves the right to determine additional supplier support required for the containment activities.

4.4 Product Sorting

In the event that defective supplied product or material is discovered at Agility Fuel Solutions and/or at Agility's customer location, it is the supplier's responsibility to sort/contain the defective material in accordance to the direction given by Agility Fuel Solutions. If the supplier fails to respond, Agility Fuel Solutions reserves the right to sort or rework supplied product or material to minimize customer disruption and risk. The cost incurred by Agility Fuel Solutions will be charged back to the supplier. The supplier shall be responsible for all expenses including, but not limited to, Agility Fuel Solutions administration fee, hourly rate charges, travel expenses and containment/sorting company charges (starting at \$100.00/hr).

If sorting is required at Agility Fuel Solutions facilities, the supplier will be contacted by an Agility Fuel Solutions representative. The supplier is expected to supervise the sorting and inspection activities. The supplier must ensure workers representing their company have the necessary skills, training and tools to perform their work safely and effectively. The supplier's representative shall accurately document all sorting information required by Agility Fuel Solutions.

Suppliers must contact the Agility Fuel Solutions Purchasing or Quality representative prior to entering Agility Fuel Solutions facilities. Safety equipment, such as safety glasses and closed-toed safety shoes, must be worn at all times in the manufacturing areas. Hard hats and hearing protection will be provided, when required. Supplier representatives are responsible for adhering to all safety policies. It is the supplier's responsibility to provide evidence of insurance coverage for the workers representing their company while at Agility Fuel Solutions facilities. Minimum insurance requirements can be found on the Agility Fuel Solutions website.

Sorted product should be identified in accordance with section 4.3 of this document.

4.5 Return Material (Product) Authorization

Upon disposition to return the material, the supplier has 2 working days to submit a Return Material Authorization (RMA) for the non-conforming material. If a RMA is not received within this allotted time, dock charges may be applied or the material may be returned to the supplier without approval and credit taken accordingly.

Non-conforming material/product shall be returned at supplier's expense. Preferred shipping provider and subsequent account numbers must be provided to Agility Fuel Solutions.

4.6 8D/Corrective Action

At Agility Fuel Solutions' discretion, a written corrective action may be required to resolve non-conformances within a supplier's products, processes or services. All suspect products must be immediately contained, screened, and certified until the corrective action has been approved and verified to be effective.

The corrective action document should be consistent with the 8D methodology. All required corrective actions must be reviewed and approved by Agility Fuel Solutions' Quality department. Suppliers who do not have their own format may use the 8D template provided on the Agility Fuel Solutions website. Agility Fuel Solutions encourages all suppliers to proactively initiate 8D/CARs to address internal non-conformities, even where not required by Agility.

- Initial response, including containment and short-term corrections (D1 through D3), is required within 24 hours.

- Root cause and the long-term corrective action plan (D4 and D5) are required within 10 working days.
- The long-term corrective actions and validation (D5 and D6) may take longer than ten days to implement, as long as the completion dates are clearly documented on the corrective action plan. Work with your Agility Fuel Solutions Quality Engineer to reach a mutually-agreeable implementation date. Containment and regular status updates are required until the long-term corrective action is effectively implemented, validated and agreed by Agility Fuel Solutions.

For critical and significant characteristics, containment must continue until the process capability (Cp /Cpk) is proven within the required limits.

Controlled Shipped may be required, at the discretion of Agility Fuel Solutions, depending on the severity of the non-conformance. Communication to the supplier of the requirement for controlled shipping and associated exit criteria shall be provided by Agility Fuel Solutions Quality Engineering.

5 Shipping Requirements

5.1 Packaging, Shipment Identification, Shipping and Handling

It is the responsibility of the supplier to select identification methods and labeling that are robust enough to withstand normal environmental damage and remain legible.

- All packages, cases, crates, etc., shall be marked with the Supplier's name and the applicable Agility Fuel Solutions Purchase Order number.
- The supplier shall protect product while handling and shipping, to protect from any possible damage. Nicks, dings, scratches or visible flaws on materials handled during processes are not acceptable. Surface contaminants or Foreign Object Debris (FOD) settling into the products is also not allowed. Seller shall be responsible for damages sustained during delivery.

5.2 Domestic and Foreign Content

Where required by domestic or foreign government laws and regulations, seller shall provide the domestic and foreign content of any materials purchased by Agility Fuel Solutions.

5.3 Identification of "Dangerous Goods"

Where applicable, a "Dangerous Goods" marking must be applied to the outer container of the item being shipped and to the associated shipping document (shipper).

5.4 Part Identification and Traceability

When traceability is required, the supplier shall mark all deliverable products to provide positive traceability and identification of each part to its manufacturing lot or batch. Lots or batches shall be shipped in a manner that provides segregation and should not be mixed within containers.

Parts shall be identified per any applicable drawings/specifications. When part identification method is not specified by Agility Fuel Solutions drawings/specifications, the following guidelines apply:

- Parts shall be clearly identified by supplier's lot, batch or serial number(s) or other unique identifier.
- Metallic Plates shall be identified by stamping or stenciling. Stencil ink shall be permanent, non-soluble, and non-injurious to metal surfaces.
- Metal Tubes shall be bundled together, with each bundle containing materials from the same batch, and identified by continuous stenciling or labeling.

- Castings/Forgings shall be identified with the part number, heat treat lot number (if applicable), serial number (if applicable), and mold number (if applicable).
- Parts with insufficient surface for marking may be identified via the packaging or attached tags.

5.5 Shipment Labeling Requirements

In certain situations, it is necessary to place additional labels on the box and skid to identify the parts and keep them segregated from similar parts. Prototype, sample, engineering changes, certified stock are examples of the need for additional labels. Below are the requirements for each situation:

Design Changes / Prototype / Sample parts: A red label with the appropriate wording in black bold letters shall be used to identify any design change, prototype or engineering sample shipment. Important details related to the design change (new revision, ECO/ECN number, change effectivity and Agility change approval) must also be included with the shipping documentation.

**SAMPLES / PROTOTYPE /
DESIGN CHANGE**

PPAP/First Article parts: Any parts submitted for First Article or PPAP approval are considered sample parts. A YELLOW label with the words "FIRST ARTICLE SAMPLE" or "PPAP SAMPLE" in black bold letters shall be used to identify such samples.

FIRST ARTICLE SAMPLE

PPAP SAMPLE

5.6 Dock Charge

In the event a supplier fails to provide proper material identification or labeling as directed within section 5, product cannot go directly to the warehouse. A dock charge may be assessed to the supplier. Product will be considered nonconforming, contained and corrective action may be required.

6 Quality Clauses

1. SPECIAL TEST REPORT

Each shipment on this order is required to be accompanied by a test report showing conformance to a specified standard, regulatory or special test requirements as specified. The special test report shall include the actual values of chemical, mechanical and physical properties obtained from the lot versus values required by applicable material specifications or standards. The test lab/facility shall be identified.

2. PR 850015

Additional purchasing requirements apply for pressure-related components. PR 850015 document will be provided to supplier with the Purchase Order.

3. MATERIAL CERTIFICATION

For each lot of material supplied on this order, the supplier shall furnish a material test report. Exact copies of the certification/test report are acceptable if certification/test report is legible, complete, and no content is omitted. A translation must be provided for certificates not written in English. The material test report shall include:

- The material specification/number and revision, alloy/grade/class/type, the producer's (mill) name, batch number and/or heat lot number.
- A statement that the material conforms to the requirements of the applicable material specification.

4. PROCESS CERTIFICATION

For specified processes, the Supplier shall provide a test / certification report issued by the Supplier or a sub-tier supplier. It shall include quantity, part number of items processed and a description of the process, including process specification, type, grade, etc. The report must show conformance to specification requirements; such as heat treating, welding, painting, finishing, NDT, pressure testing, etc.

5. CERTIFICATES OF CONFORMANCE

For each lot of material supplied on this order, the supplier shall provide a Certificate of Conformance (CoC) in English. The CoC shall include the following information:

- A statement of conformity, that all requirements of the Agility Fuel Solutions Purchase Order and associated drawings and specifications have been met.
- Agility Fuel Solutions Purchase Order Number.
- Number and revision of all drawings and specifications referenced on the Agility Fuel Solutions Purchase Order.
- Manufacturing/material traceability information, as required by Agility Fuel Solutions.
- Name, title and signature of the Authorized Representative of the company.

Note: Where required, the use of provided Certificate of Conformance templates is optional. Supplier may elect to provide the required certification using an equivalent format.

6. TRACEABILITY

Lot/Batch Number (must provide traceability to the raw materials used and or the material certification and/or to a process certification). Each production run shall be assigned unique lot number(s) by the supplier. A new lot number must be assigned for each raw material lot change, whenever planned or unplanned interruptions occur, and when equipment changes are required.

7. BARCODE IDENTIFICATION

- A. Identification of individual parts is required. At a minimum, it shall consist of both barcode and human-readable text that includes the Agility Fuel Solutions part number, supplier lot number (per para 5.4 of Agility Supplier Quality Manual), and individual serial number. Use code 39 barcode format.
- B. Molded dome identification to be provided by an adhesive backed label applied along the dome sidewall within 1" of the dome's open end. It shall consist of both barcode and human-readable text that includes the Agility Fuel Solutions part number, supplier lot number (per para 5.4 of Agility Supplier Quality Manual), and individual serial number. Use code 39 barcode format. The label shall be of suitable material to allow for ease of complete removal. ULINE PN S-11276 is recommended.

8. FAI / PPAP REQUIRED

Three samples from a first production run, first production run after 12 months or revision change must be accompanied by a PPAP or FAI.

- A. First article inspection shall be completed on three samples from the production run.
- B. Level I PPAP submission and samples required.
- C. Level II PPAP submission and samples required.
- D. Level III PPAP submission and samples required.
- E. Level IV PPAP submission and samples required. Document submission requirements will be communicated by Agility Fuel Solutions Quality Engineer or specified on Purchase Order.
- F. Level V PPAP submission and samples required.

9. SOURCE INSPECTION REQUIRED

Agility-approved inspection is required prior to shipment from supplier's facility. Evidence of inspection must be included in shipping documents. Supplier must contact Agility Quality to establish verification arrangements and product release approval. Drawings, inspection/test documents, and specifications shall be available for review at supplier's facility.

10. 100% INSPECTION REQUIRED

The supplier shall inspect 100% of all items to ensure conformance to all drawings and specification requirements. Evidence must be on file and available for review by Agility. Sorted product shall be marked with a 1/2" green dot to establish certified material.

11. SHELF LIFE CONTROLLED MATERIAL

Time-sensitive material shall be furnished to Agility with at least 80% of its shelf life and required product life remaining at date of shipment. Shelf life duration, date of manufacture, batch/lot number and date of expiration shall be listed on the material certification documents.