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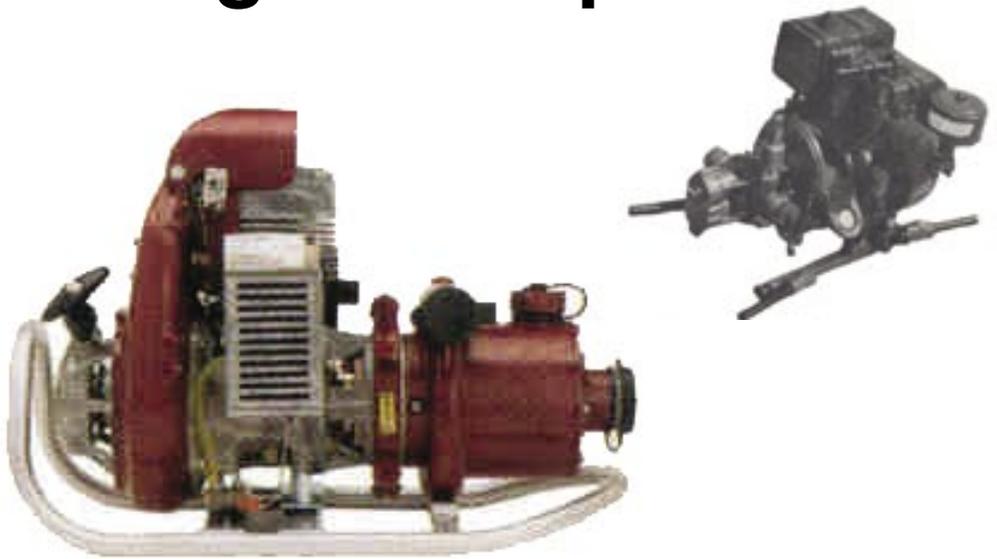
Forest Service

**Technology &
Development
Program**

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Manufacturer Submission Procedure For Qualification Testing of Pumps



Manufacturer Submission Procedure For Qualification Testing of Pumps

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INTRODUCTION

This submission procedure has been developed for use by manufacturers to submit fire pumps for evaluation and qualification testing at the San Dimas Technology and Development Center (SDTDC). The manufacturer's product will be placed in chronological order on the laboratory test schedule when the submittal packet is completed.

The U.S. Department of Agriculture (USDA) Forest Service Fire Equipment Qualification Test Program is based on performance and design requirements described in specifications managed by the USDA Forest Service. When a product is designated by SDTDC as meeting the minimum requirements of the applicable specification, the product is listed on the respective Qualified Products List (QPL). This QPL is used by the General Services Administration (GSA) in procurement of equipment for the wildland firefighting community.

PUMP SPECIFICATIONS

The following specifications describe requirements for fire pumps as follows:

1. Pump, Engine Driven is described in Forest Service Specification 5100-273, "Specification for Pump, Engine Driven." This specification applies to pumps weighing between 61 and 400 pounds.
2. Pump, Lightweight, Portable is described in Forest Service Specification 5100-274, "Specification for Pump, Lightweight, Portable." See figure 1. This specification applies to pumps weighing a maximum of 60 pounds.

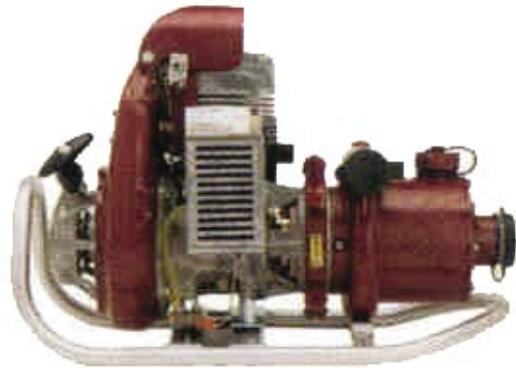


Figure 1—Lightweight portable pump.

3. Pump, Portable, Floating is described in Forest Service Specification 5100-275, "Specification for Pump, Portable, Floating."

REQUEST FOR QUALIFICATION TESTING

Equipment manufacturers can request qualification testing by the USDA Forest Service at SDTDC in San Dimas, California. Instructions and forms for submitting products for qualification testing are contained in this procedure and may be copied for submission purposes.

QUALIFICATION TESTING

Qualification testing shall be conducted by the Government, at the request and expense of the manufacturer. An estimated test fee for all costs incurred will be determined by the Government. If requested by the manufacturer, the Government will inform the manufacturer of the date and place of inspection and tests. The manufacturer may send a representative (who has been designated in writing) to be present and observe the inspection and tests, but shall not be permitted to be a participant. Upon

completion of tests, the sample may be retained by the Government. The Government shall not be obligated to continue testing a nonconforming item once it is known to be nonconforming, or when it is considered to be in the best interest of the Government. The manufacturer will be informed as to the nature of the failure.

REQUIREMENTS FOR QUALIFICATION TESTING

Specific submittal requirements vary slightly for each product and are described in detail in the applicable Forest Service specification. Specifications are available from SDTDC or may be downloaded from the Internet at www.gsa.gov/fireprogram.

The manufacturer shall provide without cost to the Government:

1. Signed Collection Agreement—A completed collection agreement, SDTDC 7100-15 (01/2001) with an original signature. A separate collection agreement must be sent for each product to be listed on the QPL.
2. Estimated Test Fee in United States Currency—A test fee in the form of a check made out to the USDA Forest Service in U.S. currency. This test fee will be estimated by SDTDC and will cover direct and indirect costs of conducting the test. If costs exceed the initial estimate, additional funds will be requested.
3. Operator's manual and user instructions for pumps, as applicable.
4. Two complete sets of assembly drawings and specifications.

5. Qualification Sample(s)—A qualification unit(s) as described in the indicated specification. Qualification testing will be performed on preproduction or full production models only. If changes or modifications are made to a product during qualification testing, the entire qualification test will be repeated.

Products must be permanently marked as described in the applicable specification. The model identification must match the number specified in the collection agreement.

6. Special Tools—Any special tools or adapters must be included, if necessary, for qualification testing.

7. Delivery of Test Samples—All of the above items shall be delivered to SDTDC to the attention of the specifications and standards project leader. The Government will not be responsible for submitted test samples.

Estimated Test Fees

The estimated fee for qualification testing of pumps as described in Forest Service Specifications 5100-273, 5100-274, and 5100-275 is estimated to be \$6,650. The requalification test fee depends upon the need to requalify and is typically estimated to be \$1,950.

Notice of Qualification

A Notice of Qualification shall be issued to the manufacturer upon successful completion of qualification tests. The manufacturer's product will be placed on the appropriate QPL. Copies of the qualification notice and QPL shall be distributed to GSA.

Notice of Failure to Qualify

The manufacturer shall be notified by letter of failure to qualify when the submitted product does not meet the requirements of the indicated specification.

Requalification Testing

After qualification, if any changes are made in the product or where it is manufactured, the manufacturer shall notify SDTDC immediately in writing. The need for requalification shall be determined by the Government when changes are made to the product or the specification.

The request for requalification testing is initiated with submittal of documentation to support a request for requalification testing.

Reasons for requalification include a minor change to a product and change of

manufacturing location. A minor change to a product includes, for example: changes in material, support brackets, bracket location, engine mounts, backpack frame, or spark arrester for the same rated flow and application. All other changes will necessitate full qualification testing. Qualification status, to include the need for requalification, shall be determined by the USDA Forest Service at SDTDC.

Contact the SDTDC Specifications and Standards Project Leader for any additional information at:

USDA Forest Service
San Dimas Technology and
Development Center
444 East Bonita Avenue
San Dimas, CA 91773-3198
909-599-1267
or by fax 909-592-2309

**COLLECTION AGREEMENT
FOR QUALIFICATION TESTING
OF WATER HANDLING ACCESSORIES**

THIS AGREEMENT, is between _____ hereinafter referred to as Company; and USDA Forest Service, San Dimas Technology and Development Center, hereinafter referred to as Forest Service, and is made under provisions of the Cooperative Funds Act of June 30, 1914 (16 USC 498).

WHEREAS, the Company desires to have the Forest Service conduct a qualification test on its model _____ to determine whether it meets the requirements of Forest Service specification 5100-_____ necessary to qualify as an acceptable product for possible future procurement by the Government, and

WHEREAS, the Forest Service is willing to perform tests and evaluate the Company's product in order to increase the number of qualified products that meet the Forest Service's specification and standards, and

WHEREAS, Company is willing to advance funds to defray the costs to the Forest Service to perform such tests and evaluations of Company's product, and

WHEREAS, it is mutually advantageous at this time to both parties to have tests and evaluations performed

NOW, THEREFORE:

A. The Company agrees:

1. To deliver its product to the San Dimas Technology and Development Center, 444 East Bonita Avenue, San Dimas, CA 91773.
2. To make advance payments at such time as requested by the Forest Service by a check payable to the USDA Forest Service, addressed to 444 East Bonita Avenue, San Dimas, CA 91773, drawn on a U.S. bank, for deposit. Such funds will be used to pay all direct and indirect costs of performing the tests and evaluation, initially estimated to approximate \$_____. If costs exceed the amount of the initial estimate, work will be stopped and an additional advance requested.
3. Upon completion of work, make necessary arrangements for the return of the product.

B. Forest Service agrees:

1. To perform necessary tests and evaluations of the product.
2. Keep Company currently informed as work progresses and furnish Company a final report within one month of completion of tests and evaluations. Such report is to state whether or not the product meets Forest Service specifications and standards.
3. To annually refund to the Company any amounts in excess of the cost of doing said work, or at the request of the company, apply such excess to subsequent agreements.

C. *It is Mutually agreed:*

1. The results of the tests may be published by the Forest Service at its discretion. The Company may publish or distribute its own publication of the test results outside its organization with the consent of the Forest Service through the Manager of the San Dimas Technology and Development Center. Publication or use of reports or results by the Company through advertising or other media will not be made in any way that implies the endorsement of the Forest Service of the product tested, or which broadens or distorts the factual findings of the tests. Any publication of these results will give appropriate recognition to both parties.

2. The United States of America shall not be liable for any damage incident to the performance of work under this agreement to the Company, who is party to this agreement, and such Company hereby expressly waives any and all claims against the United States of America for compensation for any loss, damage, personal injury, or death occurring in consequence of the performance of this agreement.

3. No member of, or delegate to, Congress or Resident Commissioner shall be admitted to share any part of this agreement or to any benefit that may arise there from; but this provision shall not be construed to this agreement if made with a corporation for its general benefit.

4. Either party may terminate this agreement by providing written notice prior to commencement of scheduled work.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the last date written below.

Date	<i>Signature and Title</i> Company Representative
Date	<i>Signature of Manager</i> San Dimas Technology & Development Center USDA Forest Service

Collection Agreement Number: _____
(To be completed by the San Dimas Technology & Development Center)

