

USER MANUAL

GPURE® DURALAB Stainless Steel Laboratory Taps



- **GPD103** - Stainless Steel Single Temp Hob Mounted Laboratory Tap w/ 150mm Fixed Spout, Detachable Tube Nozzle and Right-Sided Hand Wheel - Water
- **GPD106** - Stainless Steel Hob Mounted Laboratory Tap w/ 150mm Swivel Spout and Detachable Tube Nozzle - Water
- **GPD140** - Stainless Steel Hob Mounted Laboratory Tap w/ Exposed Hot & Cold Mixer Swivel Gooseneck with Aerator - Water
- **GPD710** - Stainless Steel Hob Mounted Laboratory Tap w/ Swivel Gooseneck Spout and Aerator - Water



Disclaimer: Stainless Steel Grade 316 & 304 are manufactured with ZERO Lead.

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Scope of Use

Installation of all products should adhere to the manufacturer's guidelines, as well as comply with PCA, AS/NZS3500 standards, and any other relevant regulatory provisions. This product range complies with the Lead Free requirements of the National Construction Code Volume Three.

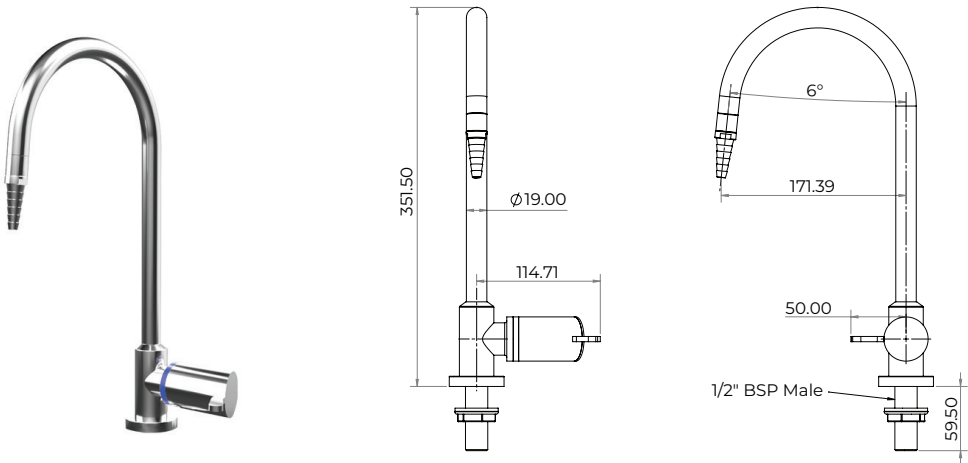
- **Installation:** Refer to the installation instructions included within this manual
- **Water quality:** In line strainer (supplied) must be installed to ensure water quality
- **Suitable for indoor use only**
- **Temperature recommendation:**
 - Single temperature up to: 50°C
 - Dual temperature up to: 80°C
 - Minimum temperature: 5°C
- **Mounting:** Wall, bench or in line installation

Technical Information

Material	• Main Body and Internal System: Zero Lead Stainless Steel 316 • Cartridge: Zero Lead Stainless Steel 304
Cartridge	Ceramic Disc (Quarter Turn)
Cartridge Size	5/8"
Inlet	• 15mm Male Connection: GPD103, GPD106, GPD710 • 15mm Hot & Cold Male Connections: GPD140
Outlet	• Curved Swivel Spout: GPD106, GPD140, GPD710 • Curved Fixed Spout: GPD103
Flow Style	Laminar Flow
Working Pressure	50kPa - 500kPa
Manufacturers Recommended Pressure	350kPa
Working Temperature	5°C-60°C
Finish	Polished
Servicing	Preventative Maintenance

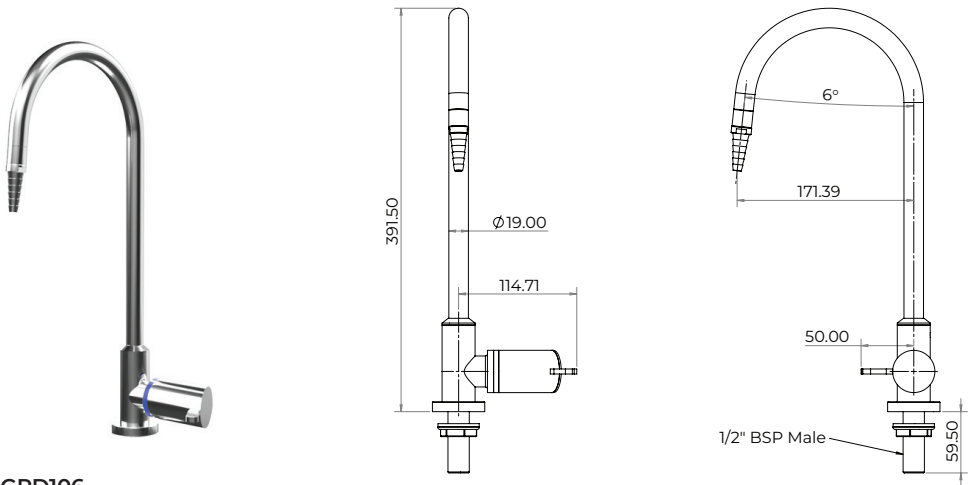
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Product Images & Technical Drawings



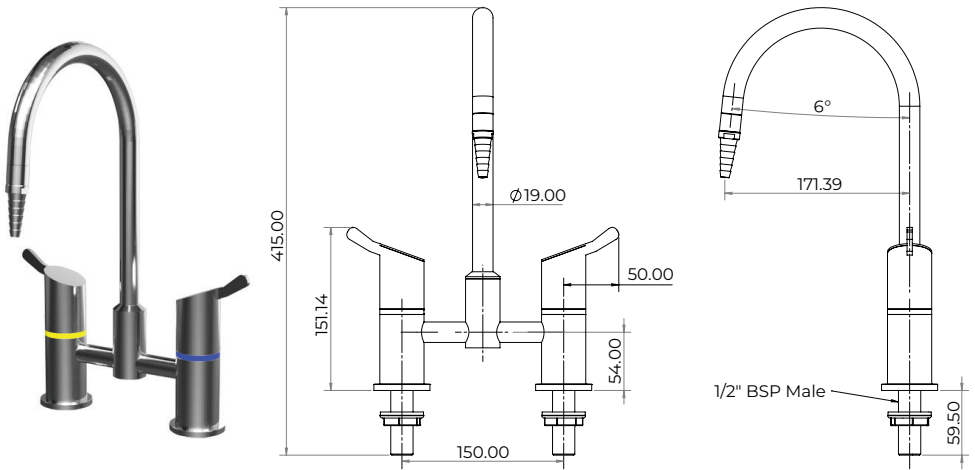
GPD103

Stainless Steel Single Temp Hob Mounted Laboratory Tap w/ 150mm Fixed Spout, Detachable Tube Nozzle and Right-Sided Hand Wheel - Water



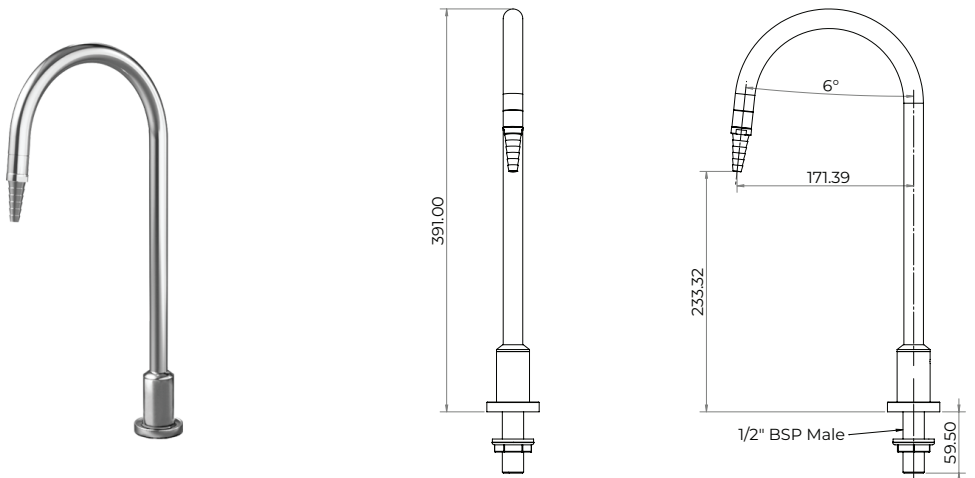
GPD106

Stainless Steel Hob Mounted Laboratory Tap w/ 150mm Swivel Spout and Detachable Tube Nozzle - Water



GPD140

Stainless Steel Hob Mounted Laboratory Tap w/ Exposed Hot & Cold Mixer Swivel Gooseneck with Aerator - Water



GPD710

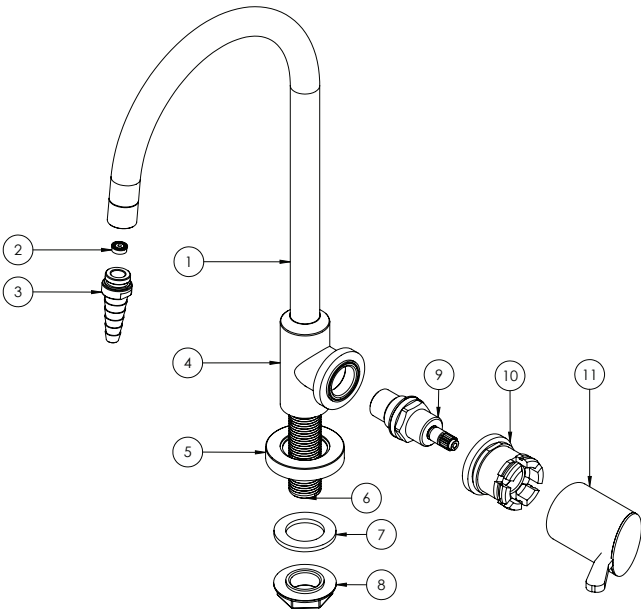
Stainless Steel Hob Mounted Laboratory Tap w/ Swivel Gooseneck Spout and Aerator - Water

Note: Dimensions are provided as a guide and are subject to manufacturing tolerances.

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Exploded Drawings

GPD103



Item#	Description	Qty	Spare Parts
1	Spout	1	☐
2	Flow Regulator	1	☐
3	Nozzle	1	☐
4	Body	1	☐
5	Flange	1	☐
6	Body Thread	1	☐
7	Rubber Washer	1	☐
8	Plastic Nut	1	☐
9	Stainless Steel Cartridge	1	☐
10	Lock Bush	1	☐
11	50mm Handle	1	☐

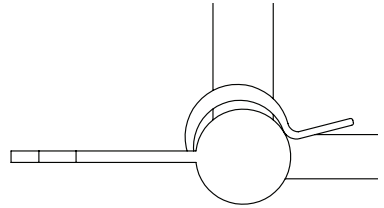
Installation Steps

HANDLE INSTALLATION (FOR ALL UNITS)

Note: The handles can be installed prior to or after the installation of the tap body, provided water supply to the inlet is turned off.

- Step 1. Place the handle and locking bush on top of the cartridge. Ensure that the handle and cartridge are both in the same position (fully on or fully off).
- Step 2. Align the cartridge spline in the correct position to the handle lever & turn the locking bush clockwise to fasten.

- Step 3. Position the tool as seen in the image below, and rotate clockwise to tighten.



- Step 4. Move the handles to the off position.

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BENCH MOUNTED INSTALLATION - GPD140

Before Installation

Ensure that the water supply to the inlet is turned off.

- Step 1. At the desired location for the tap installation, mark out and drill two holes (20-25mm in diameter) 150mm apart.
- Step 2. Place the tap into the pre-drilled holes with the 1/2" BSP threads going in first (ensure the cover flanges are in place).
- Step 3. From beneath the bench, push the rubber washers onto the 1/2" BSP threads. Secure the tap in place by tightening the nuts on each thread.
- Step 4. Connect the tap to the water supply and check for leaks. Activate the hot and cold handles to verify the tap's operation.

BENCH MOUNTED INSTALLATION - GPD103, GPD106, GPD710

Before Installation

Ensure that the water supply to the inlet is turned off.

- Step 1. At the desired location for the tap installation, mark out and drill a hole (20-25mm in diameter).
- Step 2. Place the tap into the pre-drilled hole with the 1/2" BSP thread going in first (ensure the cover flanges are in place).
- Step 3. From beneath the bench, push the rubber washer onto the 1/2" BSP thread. Secure the tap in place by tightening the nut on the thread.
- Step 4. Connect the tap to the water supply and check for leaks. Activate the hot and cold handles to verify the tap's operation.

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Water Quality

Maximum chloride Cl- level Guidelines in plumbing systems

	Cold Water	Hot Water
Grade 304L	200	50
Grade 316L	1000	250

When materials may be used in either hot or cold water lines, the guidelines for hot water should be used.

Within these guidelines at ambient temperatures and provided the pH >~6, any negative effect to stainless steel will be unlikely.

Note: Chlorides in water - where the density of the solvent (water) is 1 (which it is to within 0.1% at ambient temperatures), then mg/L = ppm.

For brass products, please ensure the chlorine and chloramines levels are not more than 0.4 ppm.

Please ensure that the water quality supplied to the fixtures meets safe drinking standards to prevent potential staining of the product.

Chlorine guidelines (not to be confused with chloride)

- 316L suitable for chlorine levels up to 5ppm.
- Short term dosing, for example 25-50ppm, for sterilisation purposes of 24-48 hours acceptable if effectively flushed through afterwards.
- Sterilisation is essential during commissioning of potable water systems.

Reference: <https://www.assda.asn.au/component/content/article?id=271:chlorine-and-chloride--same-element,-very-different-effect>

Cleaning & Maintenance

To minimise downtime and maximise the functional life of the product, GENTEC recommends servicing your product at least every 12 months, under heavy use may need to be checked and serviced more often.

- The product must be handled carefully to avoid causing any physical damage.
- Use the product at least once every week to ensure all parts are kept lubricated and functioning properly.
- Service the product at least once a year to avoid any product failures - The service timeline provided is based on normal use. More frequent servicing may be required for heavy usage.
- A working pressure of 350kPa is highly recommended to ensure the maximum up-time of the product.
- Regularly clean the product with a soft cloth with warm soapy water, wash off with warm water and dry off with a soft dry cloth, paying attention to removing the dust and contamination in the bends and joints is highly recommended.
- Abrasives, hard clothes, strong acids, and bleaches must be avoided when cleaning all GENTEC products.
- Installation must be completed by a qualified and licenced plumber and adhere to AS/NZS3500 and manufacturer's recommendations.

Responsibly Sourced



Reduce Carbon Footprint

GENTEC is rejuvenating the product- no power, less maintenance and longer life.

Rejuvenation Program

To learn more about the rejuvenation program, please contact our customer service at info@gentecaustralia.com.au for more information.

Ethically and Environmentally Sourced

Please refer to GENTEC Business Ethics & Ethical Sourcing Policy at <https://gentecaustralia.com.au/terms-and-conditions/>



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Gentec products come with a Manufacturer's Warranty. To ensure the validity of this warranty, Gentec products must be installed following the provided installation instructions and adhering to AS 3500, NCC Volume Three, relevant Australian Standards, and any local authority requirements applicable to the product. Additionally, water and electrical supply conditions must meet the appropriate national and/or state standards. Non-compliance with these provisions may void the warranty and impact product performance.

Note: The information provided is only a guide, actual product may differ. The information here should not be relied on without clarification with Gentec. Gentec reserves the right to make design changes at any time without notification.

*Subject to terms and conditions. For detailed warranty information, installation compliance, maintenance and cleaning guidelines, and other relevant details, please visit <https://gentecaustralia.com.au>

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