



Description of the occupation

- Interprets classification of pipes and standards
- Does preparation work for high-pressure welding
- Cuts, prepares, and welds different pipes using electric arc welding with covered electrodes or gas welding with tungsten electrodes

Pipe welder (high pressure)

ACCESS TO CONSTRUCTION SITES

- Individuals who show to the CCQ proof of graduation with an ASP - High-Pressure Welding may register for the 15-hour course Cours de connaissance générale de l'industrie de la construction (CCGIC), in order to obtain an occupation competency certificate.
- The number of places reserved for the CCGIC depends on labour needs established annually by the construction industry.
- Measures are in place to increase the presence of women on construction sites by 2018. Consult them at mixite.ccq.org.

SKILLS AND INTERESTS

- Acquire knowledge related to reading of plans, concepts of metallurgy, various welding and cutting techniques, and controlling welding parameters
- Have professional ethics
- Be independent
- Have very good dexterity and good coordination of movement
- Be able to work in uncomfortable positions

Average annual salary*

Pipe welder (high pressure)**	\$49,912
Those working at least 500 hours	\$68,754
Proportion***	68%

* Includes premiums, overtime hours, and compensation for paid statutory holidays and the obligatory annual vacations provided in the collective agreements.

** Average 2015 salary of those having reported at least one hour of work.

*** Proportion of workers in this occupation having accumulated at least 500 hours in 2015. Does not include income that may have been earned for work not falling under the construction collective agreements.

Integration into the labour market

	Annual average 2012-2015	2016
New admissions to the CCQ	36	30
Placement rate of graduates*	8.8%	n/a

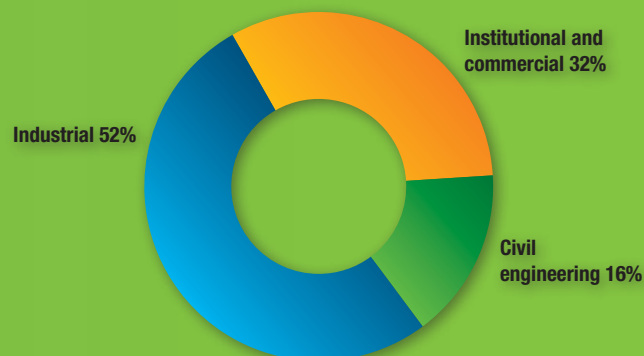
* Source: *La Relance au secondaire en formation professionnelle*, survey by the Ministère de l'Éducation et de l'Enseignement supérieur du Québec. New graduates are asked about their employment situation on June 1, after they have obtained their diploma.

Hourly wage* according to the collective agreements

	Industrial, institutional and commercial	Civil engineering and roadwork	Light residential
Pipe welder (high pressure)	\$37.99	\$38.01	\$35.65

*Wage in May 2016.

Volume of work per sector



Job prospects



- The number of pipe welders rose to 569 in 2016, working for slightly more than 160 employers.
- The industrial sector, which generates slightly more than half the work volume for pipe welders, should remain stable in coming years, while a decline is forecast in the institutional and commercial sector. Conversely, an increase is expected in the civil engineering and roadwork sector.
- The industry admitted 30 new workers in 2016, six less than the annual average for the past four years. Pipe welders earn an average of \$49,900 a year, but those logging at least 500 hours average \$68,700 a year.
- Job prospects for this trade are quite good. An aging workforce and high turnover should create demand for new workers, although part of this could be met by workers currently available.

Training

Study program:

Attestation of vocational specialization (ASP) - Soudage haute pression (5234) and High-Pressure Welding (5734)

Duration of training: 600 hours

Academic prerequisite*: Those who register for the study program leading to the ASP must hold one or another of these vocational studies diplomas:

- Soudage montage (5195)
- Welding and Fitting (5695)

OR

- Have the equivalent apprenticeship recognized

OR

- Practise a trade or vocation related to this study program

* The academic prerequisites for all trades and occupations in this brochure are described on page 74.

Training generally offered in the following regions:

- Abitibi-Témiscamingue
- Bas-Saint-Laurent
- Chaudière-Appalaches
- Estrie
- Laval
- Mauricie
- Montérégie*
- Montréal
- Outaouais
- Saguenay-Lac-Saint-Jean

* Training also offered in English in this region.

To find out which public facilities are authorized to offer this study program, consult the website www.inforoutefpt.org



Number of employed workers in 2016

Abitibi-Témiscamingue	25
Bas-Saint-Laurent-Gaspésie	9
Côte-Nord	16
Estrie	27
Island of Montréal	45
Laval-Laurentides-Lanaudière	111
Mauricie-Bois-Francs	58
Montérégie	135
Outaouais	21
Québec	49
Saguenay-Lac-Saint-Jean	54
Outside of Québec and Baie-James	19
Total	569

Number of employed women 8

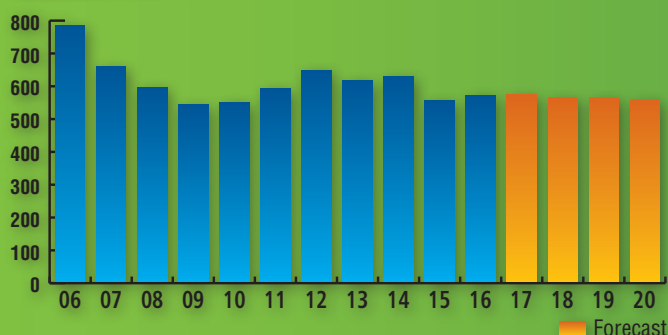
Worker mobility

Proportion of workers who travel from one region to another:*

Pipe welder (high pressure)	32%
All trades and occupations	17%

* Excluding travel between the Montérégie, Island of Montréal, and Laval-Laurentides-Lanaudière regions.

Number of employed workers from 2006 to 2020



Age of the workforce in 2016

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Total, pipe welders (high pressure)	45	13%	58%	29%	569
All trades and occupations	39	26%	58%	16%	153,700