



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.

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)*	\$43,545
Those working at least 500 hours	\$62,077
Proportion**	65%

* 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 2011-2014	2015
New admissions to the CCQ	40	11
Placement rate of graduates*	91.4%	n/a

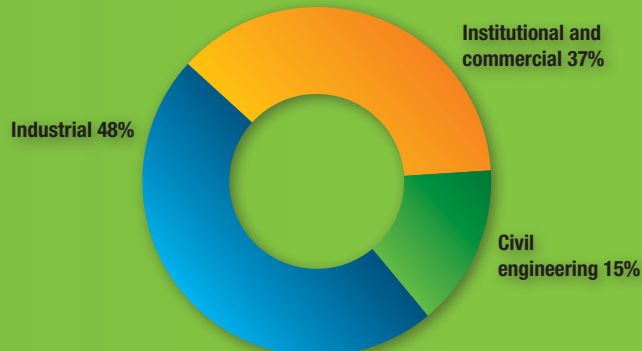
* Source: *La Relance au secondaire en formation professionnelle*, survey by the Ministère de l'Éducation et de l'Enseignement supérieur du Québec. New graduates are asked about their employment situation on June 1, after they have obtained their diploma.

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



- There were 549 pipe welders in the industry in 2015. About 145 construction companies hire pipe welders.
- Industrial construction is the main source of employment for these workers. This sector has slowed over the past two years but should now stabilize.
- The industry admitted 11 new pipe welders in 2015, less than the average in recent years (40). The average annual salary may reach \$43,500. Pipe welders who work at least 500 hours may earn more than \$62,000 per year.
- The need for workers will be fairly low for pipe welders in years to come, given the slight drop in demand and the high availability of currently available workers.

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



Employed workers in 2015

Abitibi-Témiscamingue	22
Bas-Saint-Laurent-Gaspésie	11
Côte-Nord	22
Estrie	32
Island of Montréal	45
Laval-Laurentides-Lanaudière	105
Mauricie-Bois-Francs	61
Montérégie	133
Outaouais	19
Québec	39
Saguenay-Lac-Saint-Jean	53
Outside of Québec and Baie-James	7
Total	549

Number of employed women 9

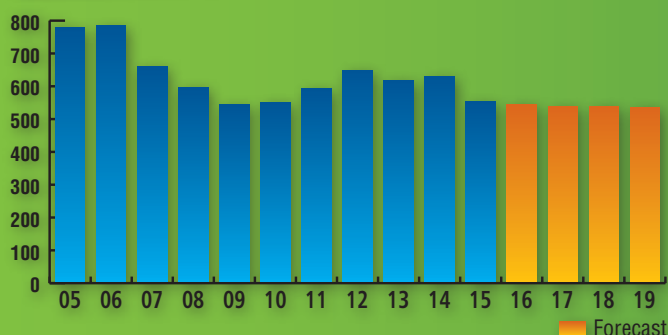
Worker mobility

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

Pipe welder (high pressure)	23%
All trades and occupations	16%

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

Number of employed workers 2005-2019



Age of the workforce in 2015

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Total, pipe welders (high pressure)	46	12%	58%	30%	549
All trades and occupations	39	27%	58%	15%	153,040