

# PRESSURE REGULATORS



## Designed for Continuous Duty, Industrial Applications

Industrial high-pressure applications require dependable, high quality regulating devices. Regulators are used to set system pressure, bypass unused liquid without interrupting system operation, and protect the pump from exceeding set system pressure. Models are constructed of steel/nickel plated or stainless steel and are available in sizes up to 690 bar and 390 lpm.

### Typical Usage

- Used for single pump, multiple pumps, nozzle, and gun applications.

### Benefits

- Conical design lowers minimum required bypass flow from 10–5%, which provides more consistent pressure.
- Lower override pressure compared to competitive designs provides system protection and reduces wear and energy cost.
- Superior valve design provides smooth, stable service with quiet operation and no chatter.
- Compact in-line design for easy mounting.

### Product Range

- Pressure: 7–690 bar
- Flow: 0–390 lpm

### Materials

- Available in steel/nickel-plated, 304 and 316 stainless steel.\*
- Elastomers are available in medium nitrile (NBR), fluorocarbon (FPM), and ethylene propylene diene monomer (EPDM).



\*Materials for the Body and Case only. Other materials are used in the assembly. See Data Sheet for material information.

## Selection

A correctly selected pressure regulator should cover desired system flow, system pressure and suitability of liquid being pumped. If system flow and pressure are at the maximum for the valve, longer life can be achieved by upgrading to the next size valve.

## Installation

Install pressure regulator at the discharge side of the manifold head to optimise reaction to flow demand changes and provide maximum protection from over-pressurisation. Position regulator so adjusting handle or nut is easily accessible.



Flow-Through Models



Tee Models

MODEL	PRESSURE RANGE BAR	FLOW RANGE LPM	INLET PORT	BYPASS PORT
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### STAINLESS STEEL (SS) REGULATORS

7001.1	6.9–69	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7002.1	34–138	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7003.1	103–207	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7011.1	6.9–69	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7350	28–103	3.8–38	1/4" NPT (F)	3/8" NPT (F)
7012.1	34–138	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7013.1	103–207	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7014.1	138–275	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7720	138–689	1.9–38	1/4" NPT (F)	3/8" NPT (F)
7021.1	6.9–69	9.5–95	3/4" NPT (F)	1" NPT (F)
7022.1	34–138	9.5–95	3/4" NPT (F)	1" NPT (F)
7023.1	103–207	9.5–95	3/4" NPT (F)	1" NPT (F)
2024.1	138–275	9.5–95	3/4" NPT (F)	1" NPT (F)
7031.1	17–69	13.2–133	3/4" NPT (F)	1" NPT (F)
7032.1	6.9–138	13.2–133	3/4" NPT (F)	1" NPT (F)
7033.1	103–207	13.2–133	3/4" NPT (F)	1" NPT (F)
7361	28–69	38–227	1" NPT (F)	1 1/4" NPT (F)
7363	41.4–124	38–227	1 1/4" NPT (F)	1 1/2" NPT (F)
7375	6.9–69	38–284	1 1/4" NPT (F)	1 1/2" NPT (F)
7376	34–138	38–284	1 1/4" NPT (F)	1 1/2" NPT (F)
704743	40–150	0–150	3/4" BSP (F)	1" BSP (F)
704738	40–150	0–260	1" BSP (F)	1 1/4" BSP (F)
7410	6.9–103	38–378	1 1/2" NPT (F)	2" NPT (F)
704742	40–150	0–390	1 1/4" BSP (F)	1 1/2" BSP (F)
704555	70–250	0–390	1 1/4" BSP (F)	1 1/2" BSP (F)

Note: STNP regulator models are all Flow Through, SS models are flow through apart from models 7350, 7361 and 7363 which are Tee mount. (F) = FEMALE THREAD

MODEL	PRESSURE RANGE BAR	FLOW RANGE LPM	INLET PORT	BYPASS PORT
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### STEEL NICKEL PLATED (STNP) REGULATORS

7001	6.9–69	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7002	34–138	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7003	103–207	1.9–19	3/8" NPT (F)	1/2" NPT (F)
7011	6.9–69	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7012	34–138	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7013	103–207	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7014	138–275	3.8–38	1/2" NPT (F)	3/4" NPT (F)
7021	6.9–69	9.5–95	3/4" NPT (F)	1" NPT (F)
7022	34–138	9.5–95	3/4" NPT (F)	1" NPT (F)
7023	103–207	9.5–95	3/4" NPT (F)	1" NPT (F)
7024	138–275	9.5–95	3/4" NPT (F)	1" NPT (F)
7031	17–69	13.2–133	3/4" NPT (F)	1" NPT (F)
7032	6.9–138	13.2–133	3/4" NPT (F)	1" NPT (F)
7033	103–207	13.2–133	3/4" NPT (F)	1" NPT (F)



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