IP (Ingress Protection) Ratings Chart

SOLIDS		LIQUIDS	
LEVEL	Ingress Protection	LEVEL	Ingress Protection
0	No protection	0	No protection
1	Protection against a solid object >50 mm, such as a hand.	1	Protection against vertical dripping water. 10 minutes at a rate of 1 mm / min.
2	Protection against a solid object >12.5 mm, such as a finger.	2	Protection against diagonally falling water (up to 15°). 10 minutes at a rate of 1 mm / min.
3	Protection against a solid object >2.5 mm, such as a screwdriver.	3	Protection against diagonally falling water (up to 60°) spray. 5 minutes at 0.7 LPM @ 80-100kPA.
4	Protection against a solid object >1 mm, such as a wire.	4	Protection against water splashed from all directions. 5 minutes @ 10 LPM at 80-100kPa.
5	Dust Proof. Dust must not penetrate to an extent that equipment operation or safety are impaired.	5	Protection against a 6.3mm water nozzle. 3 minutes @12.5 LPM at 30 kPa at a distance of 3 m.
6	Dust tight. No ingress of dust.	6	Protection against a 12.5 mm water nozzle. 3 minutes @100 LPM at 100 kPa at a distance of 3 m.
		7	Protection against submersion. 30 minutes at a depth up to 1 m.
POWER ELECTRIC		8	Protection against continuous submersion. Depths up to 3 m.
Motor Solutions that Make the Difference			Protection against powerful, high-temperature water jets:

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- Water jet @ 0, 30, 60 & 90° for 30 seconds each
- Distance: 100 150 mm

*Per DIN 40050 part 9

- Water Volume: 14 16 LPM
- Water Temp: 176°F
- Water Pressure: 80 100 bar