

VPInstruments Hot Tap Equipment

The universal tool to install your insertion flow meter in a compressed air system under pressurized conditions!



The hot tap drill is the universal tool to install your insertion flow meter in any compressed air system. In only 30 minutes you can drill a hole and install your flow meter. Using a hot tap saddle and a hot tap drill, you can create a new installation point without depressurizing your installation. Compared to low-cost electrical hot tap drills, which are prone to jamming and breaking of the drill head, our hot tap drill is safe and easy to operate.

VPInstruments hot tap drill

With VPInstruments hot tap drill kits you have all you need to drill your installation point. We offer the economy model and the exclusive model.

Benefits:

- > Make an installation point without depressurizing your system
- > Hand operated: no power tool needed on-site
- > Safe and easy operation
- > Versatile

Features:

- > For applications up to 10 bar
- > 1" Hot tap drill size
- > All accessories included
- > Explorer® transport case included

Specifications:

VPA.8001.1002	
Max pressure	10 bar 145 psi
Higher pressure ratings on request	
Drill shaft diameter	16 mm 0.6 inch
Drill shaft length	345 mm 14 inch
Drill diameter	17 mm x M10 0.7 inch x M10

"Hot tapping is a skilled task. Familiarize yourself with this task. VPInstruments also offers you training to become skilled. Once trained, you will be able to make process connections quickly, safe and economically. The average time to install is only 30 minutes."

VPI instruments hot tap drill models

The VPI instruments hot tap drill can be used for drilling through a hot tap saddle with a 1" fitting. Pressure level up to 10 bar. The Exclusive model is delivered in a professional, rugged yellow Explorer case, features an extra hardened drill. The Economy model is delivered in a grey simple toolbox. Both cases have everything to get started.

CASE CONTENTS	EXCLUSIVE MODEL	ECONOMY MODEL
Rugged yellow carry and storage case	•	
Grey toolbox for the hot tap tool		•
Unidrill hot tap drill	•	•
PU-handcap	•	•
Standard drill 21mm 0.83". L = 70mm		•
Standard drill 21mm 0.83". L = 70mm. HHS CO material	•	
Wrench 14/17	•	•
Hook wrench 52/55	•	•
Ratchet wrench	•	•
Center point	•	
High flow air relief adapter AC 1/2"	•	



Hot tap drill - Exclusive model



Hot tap drill - Economy model



"Exceeding limits may result in leakage, damage, injury or death!
Check your hot tap saddle user manual for all the right details!"

Hot tap saddles

Select the right hot tap saddle for your piping.

Cast iron hot tap saddles for carbon steel piping

PART NUMBER	MM	INCHES	PRESSURE RANGE
VPA.8001.0050	56 - 57	2.20 - 2.24"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0060	58 - 72	2.28 - 2.83"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0070	72 - 82	2.83 - 3.23"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0090	82 - 102	3.23 - 4.02"	0 .. 10 bar (g) 14.5 .. 150 psi

Specifications

CAST IRON HOT TAP SADDLES

Service outlet Fitting	1" BSP
Saddle top material	High grade Ductile Iron GGG 50, epoxy coated
Strap material	Stainless steel grade AISI 304
Strap width	60 mm, EPDM band
Standard rubber gasket	NBR suitable for water and gas
Temperature range	-30 .. 100 °C -22 .. 212 °F
Pressure range	0 .. 10 bar (g) 14.5 .. 150 psi



Stainless steel hot tap saddles for stainless steel piping

Ranges vary from DN 80 to DN 350

PART NUMBER	MM	INCHES	PRESSURE RANGE
VPA.8001.0100	88 - 110	3.46 - 4.33"	0 .. 16 bar (g) 14.5 .. 250 psi
VPA.8001.0115	108 - 128	4.25 - 5.04"	0 .. 16 bar (g) 14.5 .. 250 psi
VPA.8001.0120	114 - 134	4.49 - 5.28"	0 .. 16 bar (g) 14.5 .. 250 psi
VPA.8001.0145	138 - 160	5.43 - 6.30"	0 .. 16 bar (g) 14.5 .. 250 psi
VPA.8001.0175	168 - 188	6.61 - 7.40"	0 .. 16 bar (g) 14.5 .. 250 psi
VPA.8001.0200	188 - 210	7.40 - 8.27"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0205	195 - 215	7.68 - 8.46"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0225	216 - 238	8.50 - 9.37"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0240	230 - 250	9.06 - 9.84"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0270	260 - 280	10.24 - 11.02"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0290	282 - 302	11.10 - 11.89"	0 .. 10 bar (g) 14.5 .. 150 psi
VPA.8001.0325	314 - 334	12.36 - 13.15"	0 .. 5 bar (g) 14.5 .. 72.5 psi
VPA.8001.0340	330 - 350	12.99 - 13.78"	0 .. 5 bar (g) 14.5 .. 72.5 psi
VPA.8001.0345	335 - 355	13.19 - 13.98"	0 .. 5 bar (g) 14.5 .. 72.5 psi
VPA.8001.0355	345 - 365	13.58 - 14.37"	0 .. 5 bar (g) 14.5 .. 72.5 psi
VPA.8001.0101	88 - 110	3.46 - 4.33"	0 .. 16 bar (g) 14.5 .. 232 psi
VPA.8001.0116	108 - 128	4.25 - 5.04"	0 .. 16 bar (g) 14.5 .. 232 psi
VPA.8001.0121	114 - 134	4.49 - 5.28"	0 .. 16 bar (g) 14.5 .. 232 psi
VPA.8001.0146	138 - 160	5.43 - 6.30	0 .. 16 bar (g) 14.5 .. 232 psi
VPA.8001.0176	168 - 188	6.61 - 7.40"	0 .. 16 bar (g) 14.5 .. 232 psi
VPA.8001.0201	188 - 210	7.40 - 8.27"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0206	195 - 215	7.68 - 8.46"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0226	216 - 238	8.50 - 9.37"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0241	230 - 250	9.06 - 9.84"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0271	260 - 280	10.24 - 11.02"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0291	282 - 302	11.10 - 11.89"	0 .. 10 bar (g) 14.5 .. 145 psi
VPA.8001.0326	314 - 334	12.36 - 13.15"	0 .. 5 bar (g) 14.5 .. 72 psi
VPA.8001.0341	330 - 350	12.99 - 13.78"	0 .. 5 bar (g) 14.5 .. 72 psi
VPA.8001.0346	335 - 355	13.19 - 13.98"	0 .. 5 bar (g) 14.5 .. 72 psi
VPA.8001.0356	345 - 365	13.58 - 14.37"	0 .. 5 bar (g) 14.5 .. 72 psi

Specifications

STAINLESS STEEL HOT TAP SADDLES	
Service outlet Fitting	1" BSP
Service outlet Fitting	Stainless steel grade AISI 304
Saddle top material	Stainless steel grade AISI 304
Strap material	60 mm, EPDM band
Strap width	NBR suitable for water and gas
Standard rubber gasket	-10 .. 70 °C -14 .. 158 °F
Temperature range	0 .. 10 bar (g) 14.5 .. 150 psi
Pressure range 1: 88 .. 188mm 3.46" .. 7.4"	0 .. 16 bar (g) 14.5 .. 250 psi
Pressure range 2: 188 .. 302mm 7.4" .. 11.89"	0 .. 10 bar (g) 14.5 .. 150 psi
Pressure range 3: 314 .. 334mm 12.36-14.37"	0 .. 5 bar (g) 14.5 .. 72.5 psi

Accessories

PART NUMBER	PRODUCT	DESCRIPTION
VPA.0004.100	Adapter 1" from BSP (female) to NPT (male)	For use in combination with the hot tap drill and NPT saddles
VPA.0004.101	Adapter 1" from NPT (female) to BSP (male)	For use in cast Iron hot tap saddles
VPA.0002.001	Ball valve fitting 1" M BSPT - F BSPP	
VPA.0002.002	Reducer 1" to 0,5"	
VPA.0002.1004	Spare drill bit 17mm	
VPA.8001.1003	Spare drill bit 21mm	

