

## Precise Punched Slot Screen (PPS™)

Screens are one of the important sand control techniques for oil and gas wells. Anton's PPS is manufactured using Anton's patented side punching technique. By applying pressure and forming two side flow ports (90° apertures) for each slot, the flowing resistance is drastically reduced and allows sand control to become more effective. PPS has become a well-known brand in the global sand control product market. Anton can custom design PPS and provide sand control designs and on-site technical services.

### Scope

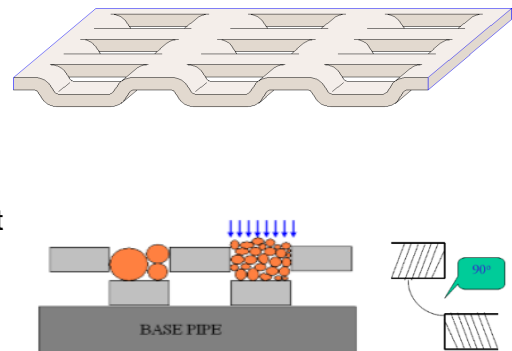
Suitable for eliminating various levels of sand production for unconsolidated sandstone formations, thermal recovery of heavy oil, and gas storage wells.

### Advantages

- Adopts unique side punching technique to resolve the conflict between the formation fluid inflow and sand control.
- Custom design to achieve more effective sand control for various types of reservoirs.
- Resolve the issue such as deformation of the slots due to well pressure and corrosion of producing fluids that lead to ineffective sand control.
- Use stainless steel as the material and apply the spiral welding technique. The screen has strong mechanical strength and good endurance to damage.

### Features

- Patented side punching technique and three-dimensional structure design
- Trapezoid shaped slots that allow the sand bridges to form
- Side flow ports have a self-cleaning function to resist corrosion effectively



### Achievements

- ✓ PPS is China's domestic initiative and now has become the global leading sand control product
- ✓ Has received over 120 domestic and international patents (Canada and Russia)
- ✓ World-leading manufacturing technology and specialized laboratories for sand control tests and designs
- ✓ Industry-standard: SY/T6916-2012 <Petroleum and Natural Gas Industry, Downhole tools, and Sand Control Screens>

### Performance and Services

- ✧ Worldwide applications exceed 1.2 million meters, annual production capacity of 200,000 meters.

