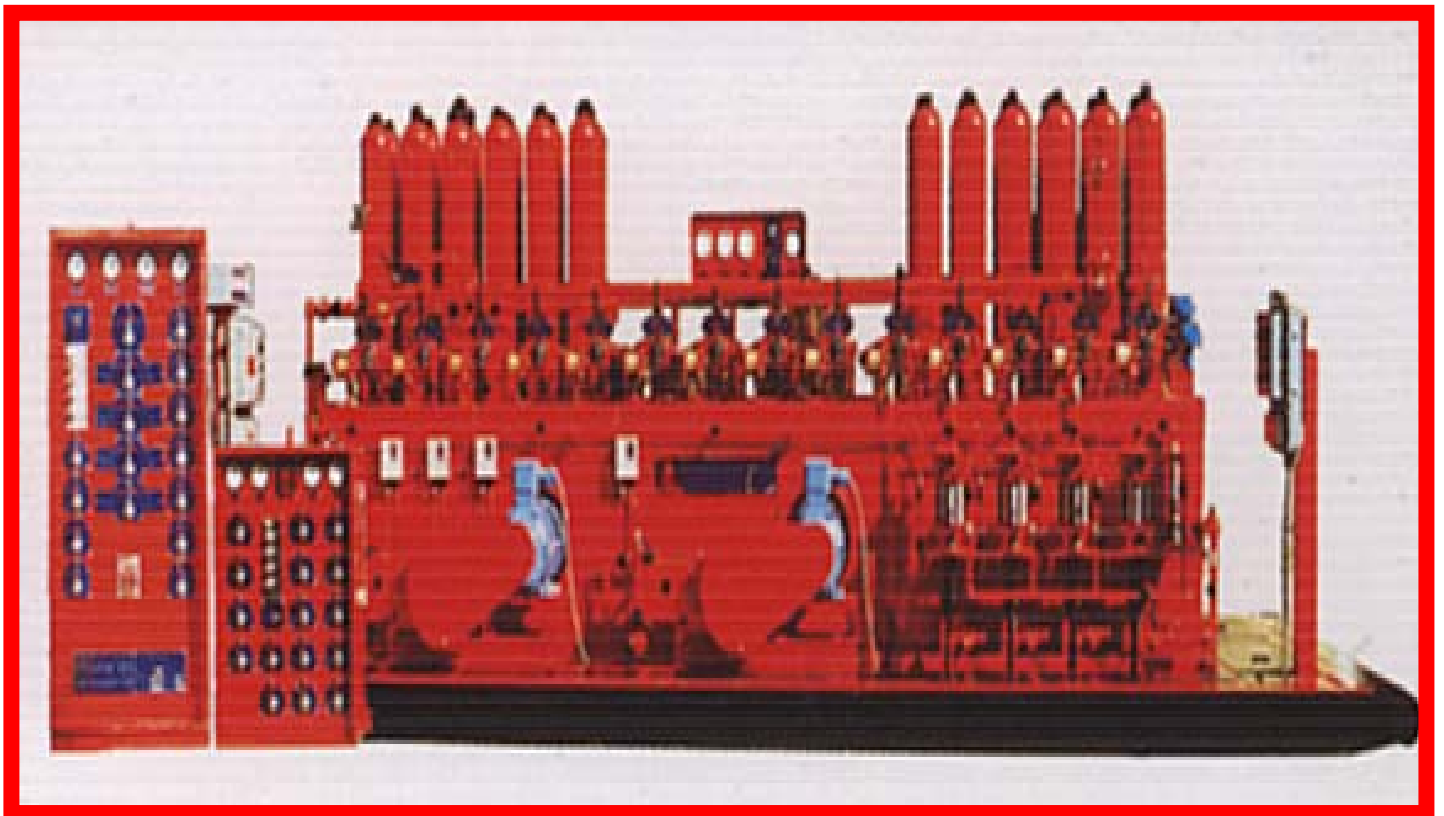




# CONTROL SYSTEM FOR SURFACE MOUNTED BOP STACKS



V-FLO GROUP OF COMPANIES LTD.

[WWW.V-FLO.COM](http://WWW.V-FLO.COM)

# Control System For Surface Mounted BOP Stacks

The control system for surface mounted BOP stacks is important equipment for the controlling of BOP stacks, choke and kill valve for well control. The products not only meet the requirements of domestic standards but also have got the certification of API SPEC 16D.

The system is equipped with two pump groups. Electric pump with different flow rate and air-operated oil pump which ensures the system to work normally in case of power failure.

The design of accumulator unit meets the requirement of closing all BOP stacks and opening hydraulic valve. If any accumulator bottle failed, the total liquid loss will not exceed 25%. BPM can offer the accumulator with ASME mark that complies with the requirements of API SPEC 16D.

The pressure of annular preventer circuit in control system may be adjusted by remote air-operated regulation. It characters reverse adjusting. In case of sudden failure of air supply, the pressure can be reset to the initial set value automatically.

The control manifold of the remote control panel is equipped with an orifice as an inlet of the pressure source. For example, the nitrogen backup system offered by BPM provides emergent auxiliary energy. If the accumulator and/or the pump cannot provide the control manifold with enough power fluid, the nitrogen backup system may be used to provide high- pressure air to close the preventer. The nitrogen backup system may provide emergency air supply for the driller's panel and the auxiliary control panel.

The system may be provided with an alarm device. It monitors the accumulator pressure, air supply pressure and the liquid level in oil tank. When the above parameters exceed the alarm limits, the signal of sound and light will be given.

The system can be equipped with auxiliary control panel. Air-operated control is adopted in the auxiliary control panel. The system may be operated by driller panel and/or auxiliary control panel may control the remote control panel.

The system can also be equipped with electric heating device of oil tank and air cable. The system may also be equipped with housing with air-conditioner, explosion-proof electrical heating board and explosion-proof air-conditioner.

We can design special models according to the customer's requirements, besides the products list in the table.

## Best Equipment

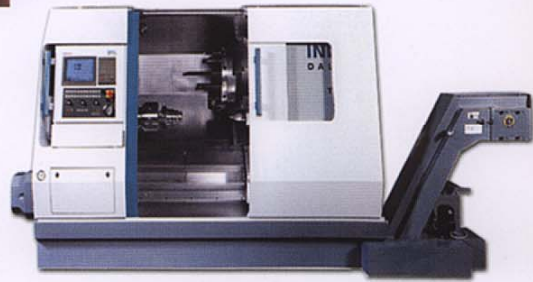
WWW.V-FLO.COM



Components



Assembly system



Processing equipment

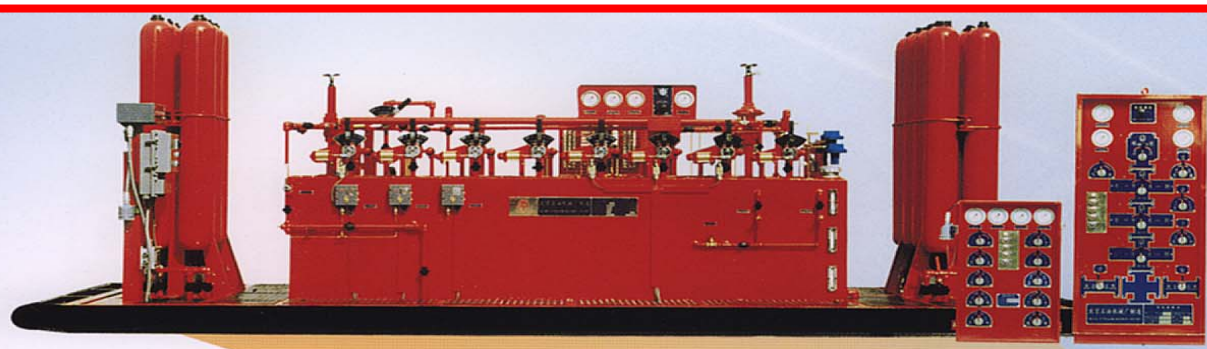


Driller's panel and auxiliary control panel

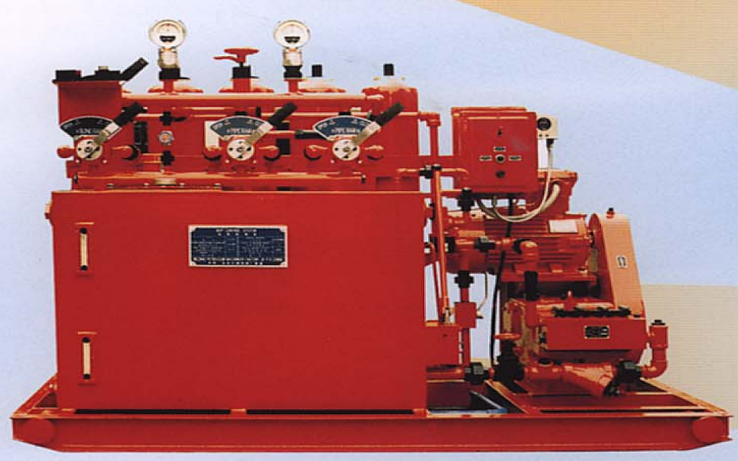
WWW.V-FLO.COM

# Model of BOP Control System

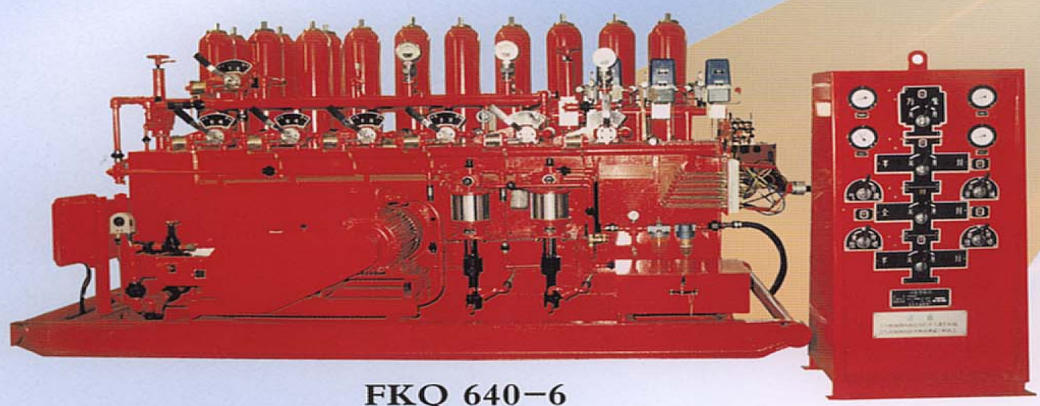
WWW.V-FLO.COM



FKQ 840-8



FK 125-3



FKQ 640-6

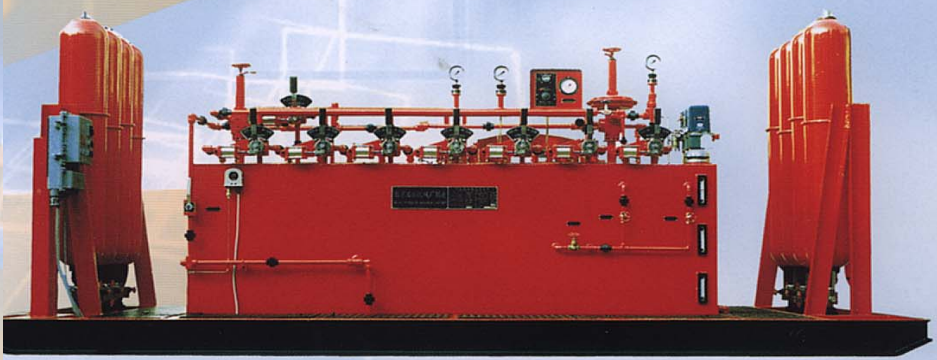
WWW.V-FLO.COM

# Model of BOP Control System

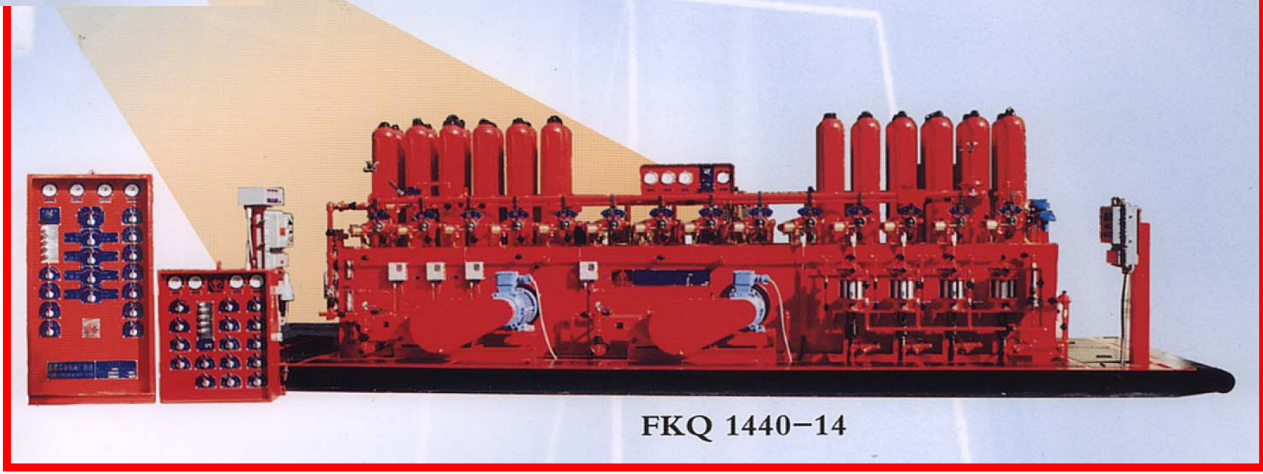
WWW.V-FLO.COM



FKQ 320-4



FKQ 640-7

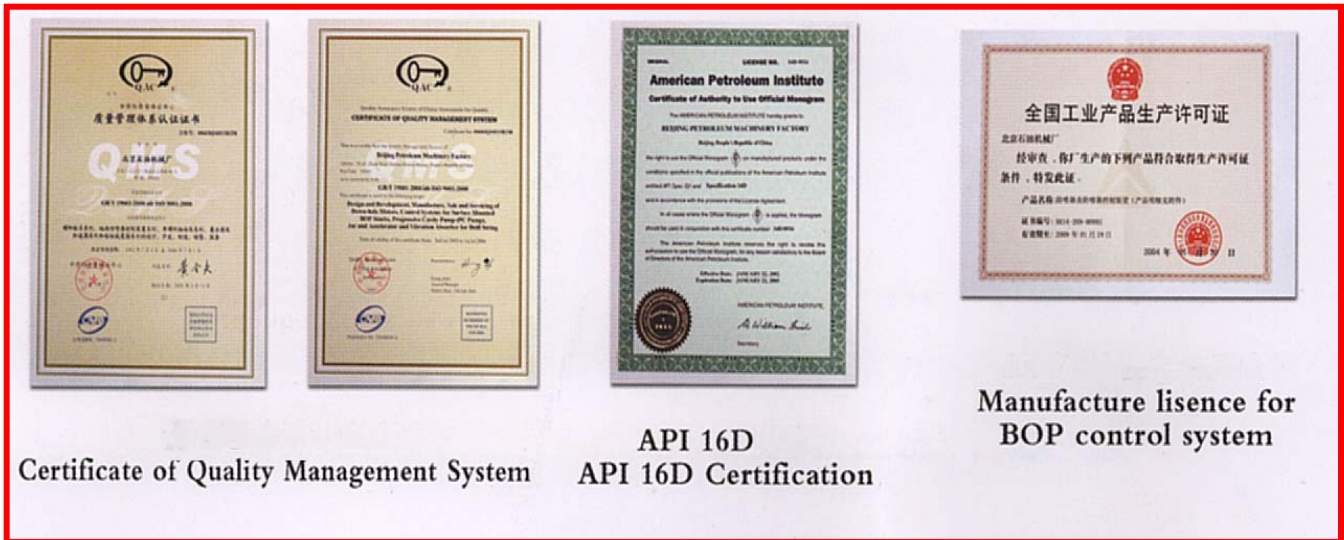


FKQ 1440-14

WWW.V-FLO.COM

# Model Illustrations

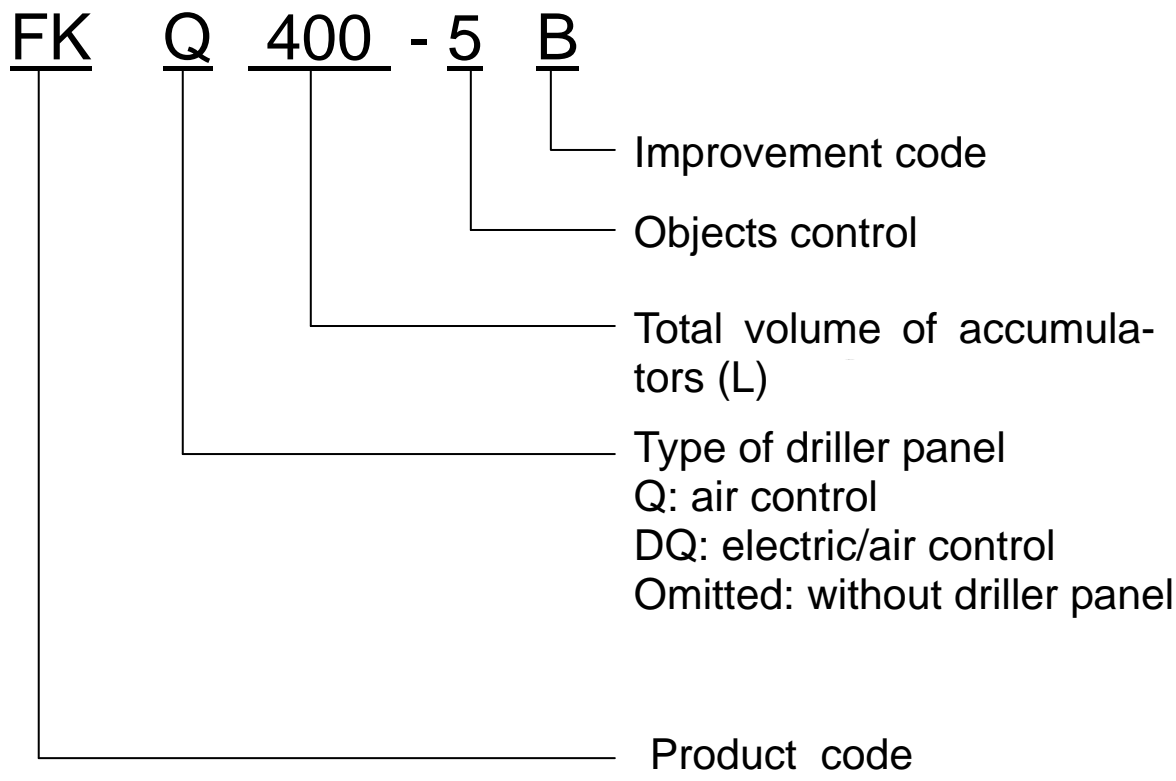
WWW.V-FLO.COM



Certificate of Quality Management System

API 16D  
API 16D Certification

Manufacture licence for  
BOP control system

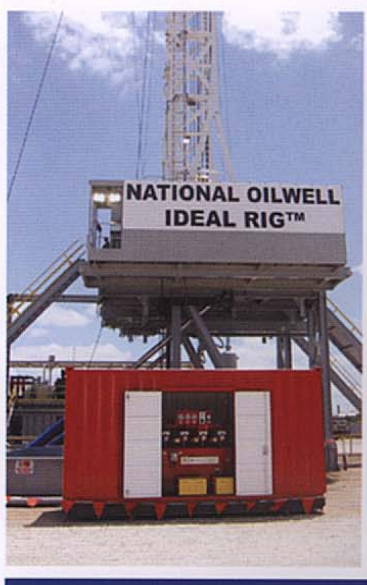


WWW.V-FLO.COM

- API 16D the first in China the ninth in the world
- Export over 30 countries
- Aound 200 BPM BOP Control System are used abroad
- The largest BOP Control System in the world (14 objects control)



Examination



OTC exhibition

WWW.V-FLO.COM

Model	Numbers of BOP					Electric Pump	Air pump	Manual pump	Alarm Device	Nitrogen backup	Housing	Air Conditioner	Tank steam heating	Tank electric heating	Drillers panel	Aux. panel	Pipe rack
	Total	Annular	Ram	Choke	Backup												
FKQ 1440-14	14	1	4	7	2	●	●		○	○	●	○		○	●	○	○
FKQ1 280-8	1	3	2	1	1	●	●		○	○	●	○		○	●	○	○
FKQ960-8	1	3	3	1	1	●	●		○	○	●	○		○	●	○	○
FKQ840-8	1	3	3	1	1	●	●		○	○	●	○		○	●	○	○
FKQ 1280-7	1	3	2	1	1	●	●		○	○	●	○		○	●	○	○
FKQ800-7N	1	3	2	1	1	●	●		○	●	●	○		○	●	○	●
FKQ800-7D	1	3	2	1	1	●	●		○	○	●	○		○	●	○	○
FKQ800-7	1	3	2	1	1	●	●		○	○	●	○		○	●	○	○
FKQ800-7B	1	3	2	1	1	●	●		○	○	●	○		○	●	○	○
FKQ640-7	1	3	2	1	1	●	●		○	○	●	○	○	○	●	○	○
FKQ800-6N	1	3	2	-	-	●	●		○	●	●	○		○	●	○	●
FKQ640-6N	1	3	2	-	-	●	●		○	○	●	○		○	●	○	○
FKQ800-6F	1	3	2	-	-	●	●		○	○	●	○		○	●	○	○
FKQ720-6	1	3	2	-	-	●	●		○	○	●	○	○	○	●	○	○
FKQ640-6G	1	3	2	-	-	●	●		○	○	●	○	○	○	●	○	○
FKQ640-6E	1	3	2	-	-	●	●		○	○	●	○	○	○	●	○	○
FKQ640-6	1	3	2	-	-	●	●		○	○	●	○	○	○	●	●	○
FKQ480-5C	1	3	1	-	-	●	●		○	○	●	○	○	○	●	●	○
FKQ400-5B	1	3	1	-	-	●	●		○	○	●	○	○	○	●	●	○
FKQ320-4E	1	2	1	-	-	●	●		○	○		○	○	○	○	○	○
FKQ320-4G	1	2	1	-	-	●	●		○	○	●	○	○	○	●	●	○
FKQ320-3	1	2	-	-	-	●	●		●	○		○	○	○	○	○	○
FKQ 160-4W	-	2	2	-	-	●	●		●	○	●	○	○	○	●	●	○
FK320-4	1	2	1	-	-	●		●	●	○	●	○	○	○			○
FK250-4	-	2	1	-	-	●		●	●	○	●	○	○	○			○
FK240-4	-	2	1	-	-	●		●	●	○	●			●			○
FK100-4	-	2	1	-	-	●		●	●	○	●			●			○
FKQ240-3D	1	2	-	-	-	●	●			○	●	○	○	○			○
FK240-3	1	2	-	-	-	●		●		○	●	○	○	○			○
FK125-3	-	3	-	-	-	●		●		○	●			○			○
FK125-3B	1	2	-	-	-	●		●		○	●			○			○
FK125-2D	-	1	1	1	1	●		●		○	●			○			○
FK50-1	-	1	-	-	-	●		●		○	●						

WWW.V-FLO.COM

