



永星液压
YOSTAR HYDRAULIC

YFT系列液压阀门试验设备

HYDRAULIC VALVE TEST BENCH OF YFT SERIES

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浙江永星液压有限公司
Zhejiang Yostar Hydraulic Co., LTD

公司简介



浙江永星液压有限公司始创于1996年,原名永嘉县永星液压机械厂,占地3000平方米,位于著名的“中国泵阀之乡”-永嘉县瓯北镇浦一工业区,主营产品:阀门试验台又名阀门测试台,阀门检测设备,阀门试验设备,阀门测试设备,阀门测试机,阀门启动扭矩测试机,阀门寿命试验台等阀门检测和生所必备的相关专用设备,产品适用于阀门生产制造企业以及电力、化工、油田、城市给排水等行业的阀门使用或维修企业。

本公司拥有一支充满活力、专业水平强、稳定可靠的技术研发团队,依靠科技,积累多年丰富生产经验,成功研制出具有先进水平的新一代YFT系列液压阀门试验台,本系列阀门试验台是根据国家标准JB/T19092-1999《阀门的试验与检验》有关标准规范及API598的要求进行设计和制造,是目前国内外较为先进的阀门试验检测设备,产品已通过ISO9001质量管理体系认证,并取得CE认证出口欧盟资格,建立了科学完善的质量保障和管理体系。

YFT系列液压阀门试验台集液压、机械、电器于一体,具体结构合理、功能完善,操作简便、自动化程度高等特点,适用于各类高、中、低压阀门的强度、密封等各种性能的检测,深受阀门制造企业、石油化工及检测中心等有关行业的欢迎和好评。公司于2010年荣获“全国质量信得过产品”称号,并获得“2014年度安全生产先进集体”荣誉称号,多项新技术专利申报中。我们的液压阀门试验台连续20年销售业绩优良,产品已覆盖全国各地,并远销美国、英国、法国、西班牙、俄罗斯、加拿大、韩国、以色列、新加坡、伊朗等二十多个国家。客户回头率高,好评美言多。

永星液压的企业精神是“永攀技术高峰,争做行业明星”,公司始终秉承“质量第一,用户至上”的服务宗旨。永星液压期待您的光临,真诚希望与国内外新老客户携手合作,共同创造新的辉煌!

Zhejiang Yostar Hydraulic CO., LTD was established in 1996, is an enterprise located in Oubai Town, Yongjia City, Zhejiang Province, which is famous called "Chinese hometown of pump and valve". Our company covers over 3000 square meters, is specialized in manufacturing various of valve test benches, valve testing equipment, valve torque test equipment, valve life test rig by means of science and technology. We sincerely serve for valve manufacturing sectors and their end-users.

Our factory owns a young and stable professional mechanical technical team. Our engineers have collectively designed and improved new generation of YFT series of hydraulic valve test benches absorbing advantages of the same products from China and foreign countries. Our valves test benches are in accordance with GB/T13927-92 and JB/T19092-99 and American API598 standard. They are the advanced valve test equipment in domestic and overseas. Our test benches already passed the ISO-9001 quality management system certification and European Union CE Certification. We established a complete system of scientific management and quality management.

The YFT series valve test benches are high-tech electric mechanical products incorporating hydraulic and mechanical systems, which have reasonable structure, prefect function and high automation and are suitable to shell tests and seal leak tests for all kinds of high, medium and low pressure valves. The equipment are hugely popular in the industries of valve manufacturing enterprise, petroleum and chemicals, and valve test center. The test benches are advanced valve measuring equipment in domestic and international countries. We are awarded as "National consumer trustworthy quality product", "2014 advanced units of security production" and so on. Our products already have good sales for successive 20 years since 1996, are sold well across china, and exported to many foreign countries around the world, such as Mexico, Germany, England, Spain, Korean, Malaysia, Taiwan, and get the praise of our most users and high customer retention.

The spit of YOSTAR is "Ascent the pinnacle of technology, Try to be the star of trade", "Quality first and users highest" are our sole commitment. We show a warm welcome to our friends to contact us. We hope we can join hands with new or regular clients both in China and abroad to create new brilliancy together.



— YONGYE —

YFT系列液压阀门试验台

YFT series hydraulic valve test bench



技术性能与特点:

1. 适用于对法兰连接形式的阀门进行强度、密封和上密封性能上的检测。
2. 采用夹爪抱压法兰方式压紧, 对被试验阀门无外力影响, 因此符合GB/T13927-92, JB/T9092-99及API598所规定的要求。
3. 右侧翻转盘可进行90度翻转 (可选配两端翻转), 便于对阀门进行气密封检测。
4. 试验介质可由水, 气或者煤油, 由客户自选, 通过管路控制阀进行切换。
5. 已配置高、低压水泵及增压系统, 可直接进行水压试验。预留一个气泵接口, 如采用气为介质则气泵需用户自配。
6. 试验台用水及油等试验介质可循环使用。
7. 设有液压自动卸荷系统, 使用时, 高压状态与卸荷状态自动切换, 有效降低了油温, 延长设备使用寿命。
8. 另有触摸屏控制、显示和打印测试压力系统可选配。
9. 安全门可选配。

Technical performance and feature:

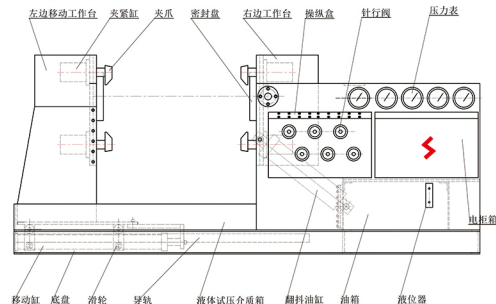
1. YFT series hydraulic valve test bench is suitable for the shell test, seal test and back seal test of flanged valves.
2. Adopts the sealing method of flange blind plates and uses claws to hold the flange end, so there is no external force on the tested valves, which is in accord with the requirements of GB/T13927-92, JB/T9092-99 and API598.
3. The right workbench can be turned over 90 degrees, for the convenience of carrying valve and seal test.
4. Test medium can be chosen by user, it can be water, air or kerosene.
5. Test bench has low pressure water pump and water booster. There is an air connection reserved for air pump.
6. Water and hydraulic oil can be cycle used.
7. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate the life of valve test bench.
8. PLC control, touch screen display pressure diagram and printer system is optional.
9. Safety door is optional.

YFT系列液压阀门试验台

YFT series hydraulic valve test bench

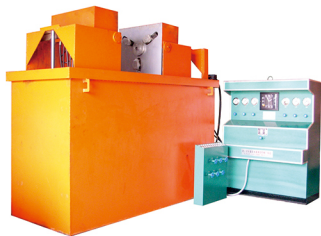


YFT系列外观示意图



主要数据及规格 Main technical parameters and sizes

型号 Model	YFT-100	YFT-200	YFT-300	YFT-400	YFT-500	YFT-600	YFT-800	YFT-1000
测试阀口径 Allowable test nominal diameter(mm)	DN15-100	DN50-200	DN80-300	DN150-400	DN250-500	DN300-600	DN400-800	DN500-1000
测试阀门结构长度 Test valve face diameter(mm)	130-350	180-550	210-750	330-950	380-991	502-1143	610-1524	711-1727
测试阀法兰 Allowable flange end of test valve	265/42	405/55	530/83	670/92	775/108	890/108	1085/108	1360/120
移动旋开档距离 Moving (rotated) horizontal displacement	105-600	150-800	200-1080	250-1200	300-1300	450-1500	550-2120	650-2350
装夹机构 Clamp part	轴向往复行程 Axial stroke(mm)	52	62	75	80	90	95	105
	径向行程 Radial stroke(mm)	125	150	200	230	250	340	340
	液压额定压力 Rated pressure of pump line	6.3	6.3	6.3	6.3	6.3	6.3	6.3
液压系统 Hydraulic system	流量 Flow(L/min)	16	16	25	25	40	40	63
	高压 (工作压力) MPa High pressure (working pressure) MPa	3.0-3.5	3.1-3.5	3.0-3.5	3.1-3.5	3.1-3.5	3.0-3.5	3.1-3.5
电源 (Power)	380V 150HZ (220V/60HZ)							
电机 Motor (KW)	2.2	2.2	3.3	3.3	5.5	5.5	7.5	7.5
外形尺寸 Dimension (L*W*Hmm)	2550*1230 *1200	2820*1400 *1300	2820*1400 *1350	3350*1750 *1450	3750*1800 *1500	3900*1900 *1650	5200*2400 *2000	5500*2500 *2200
重量 Weight (KG)	1980	2400	3000	4400	5000	5600	8000	12000



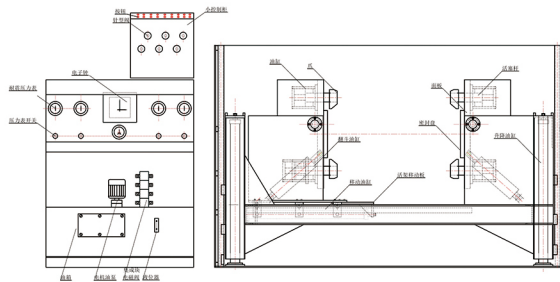
技术性能与特点:

1. 沉水式液压阀门试验台由操作控制台和夹紧装置两部分组成, 夹紧装置可整体潜入水中, 由液压系统控制其升降。
2. 适用于对法兰连接形式阀门进行强度、密封和上密封性能的试验。
3. 采用夹紧爪抓压法兰方式压紧, 对被试验阀门无外力影响, 因此符合GB/T13927-92, JB/T9092-99及API598所规定的要求。
4. 左、右夹紧盘都可进行90度翻转, 便于对阀门进行性能试验。
5. 试验介质可由水、气或者煤油, 由客户自选。
6. 已配置高、低压水泵及增压系统, 可直接进行水压试验。预留一个气泵接口, 如采用气为介质则气泵需用户自配。
7. 试验台用水及油等试验介质可循环使用。
8. 设有液压自动卸荷系统, 使用时, 高压状态与卸荷状态自动切换, 有效降低了油温, 延长设备使用寿命。
9. 另有触摸屏控制、显示和打印测试压力系统可选配。

Technical performance and feature:

1. YFT-Z series has two parts: control part and clamp part(water tank). The whole claws clamp part can be submerged into water, it is controlled by hydraulic system.
2. YFT-Z series hydraulic valve test bench is suitable for flange valve's shell test, seal test and back seal test.
3. Using claws to hold the flange, so there's no external force effects on the test valve, which is in accord with the requirements of GB/T13927-92, JB/T9092-99 and API598.
4. Left and right workbench both can be turned over 90 degrees, for the convenience of carrying valve and seal test.
5. Test medium can be chosen by user, water, air or kerosene.
6. Test bench has low pressure water pump and water booster. There is an air connection reserved for air pump.
7. Water and hydraulic oil can be cycle used.
8. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
9. PLC control, touch screen display pressure diagram and printer system is optional.

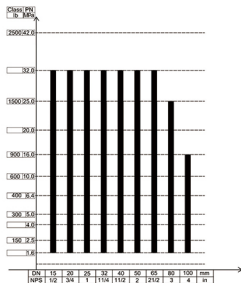
YFT-Z 外观示意图



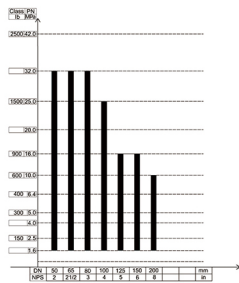
主要数据及规格 Main technical parameters and sizes

型号Model	YFT-Z100	YFT-Z200	YFT-Z300	YFT-Z400	YFT-Z500	YFT-Z600
水箱尺寸L*B*H(mm)	2100	2400	3100	3300	3480	3750
	850	1020	1350	1450	1530	1900
	1400	1650	1900	2200	2200	3000
重量Weight(KG)	2500	3600	4800	6800	8000	9000

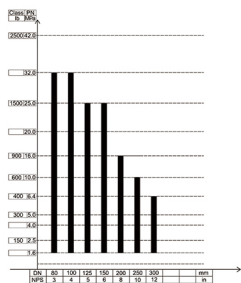
测试压力范围



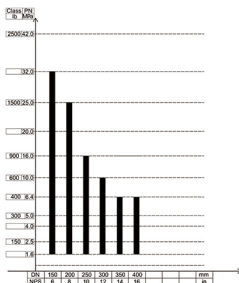
备注：尖聚油缸内径及数量 $\phi 100\text{mm} \times 3$ 只（单边）



备注：尖聚油缸内径及数量 $\phi 120\text{mm} \times 3$ 只（单边）

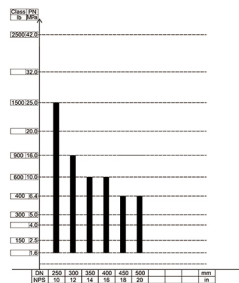


备注：尖聚油缸内径及数量 $\phi 140\text{mm} \times 3$ 只（单边）

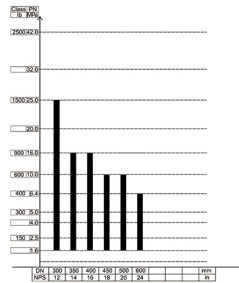


备注：尖聚油缸内径及数量 $\phi 160\text{mm} \times 3$ 只（单边）

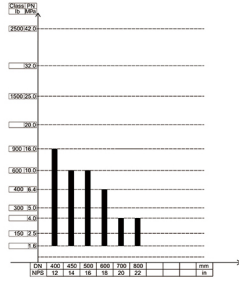
测试压力范围



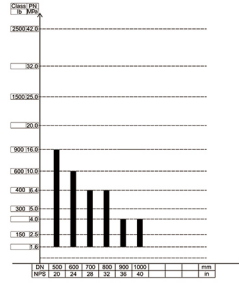
备注：尖聚油缸内径及数量 $\phi 180\text{mm} \times 4$ 只（单边）



备注：尖聚油缸内径及数量 $\phi 220\text{mm} \times 4$ 只（单边）



备注：尖聚油缸内径及数量 $\phi 220\text{mm} \times 4$ 只（单边）



备注：尖聚油缸内径及数量 $\phi 260\text{mm} \times 4$ 只（单边）

YFT-A顶压式液压阀门试验台

YFT -A series impacting type hydraulic valve test bench



技术性能与特点:

1. 适用于焊接、螺纹连接形式（即不带法兰）阀门的性能试验，配置平面盲板（塑料板密封）。同时可选配平面盲板（O形圈密封），适用于法兰连接形式的阀门性能试验。
2. 试验介质可由水，气或者煤油，由客户自选。
3. 已配置高、低压水泵及增压系统，可直接进行水压试验。
4. 预留一个气泵接口，如采用气为介质则气泵需用自配。
5. 试验用水及油等试验介质可循环使用。
6. 设有液压自动卸荷系统，使用时，高压状态与卸荷状态自动切换，有效降低了油温，延长设备使用寿命。
7. 另有触摸屏控制、显示和打印测试压力系统可选配。
8. 全门可选配。

Technical performance and feature:

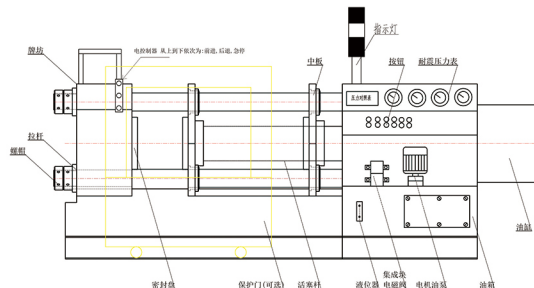
1. YFT-A series hydraulic valve test bench is suitable for the seal test and shell test of welding, threaded valves (None-flanged valves). With two types of flat blind plates: plastic seal plates for none-flanged valve testing and O rings seal plates for flanged valve testing.
2. Test medium can be chosen by user, water, air or kerosene.
3. Test bench is already equipped with low pressure water pump and high pressure water booster.
4. There is an air connection reserved for air pump.
5. Water and hydraulic oil can be cycle used.
6. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
7. PLC control, touch screen display pressure diagram and printer system is optional.
8. Safety door device is optional.

YFT-A顶压式液压阀门试验台

YFT -A series impacting type hydraulic valve test bench



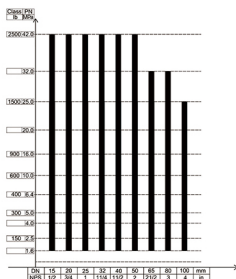
YFT-A外观示意图



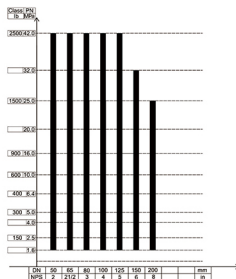
主要数据及规格 Main technical parameters and sizes

型号 Model	YFT-A100	YFT-A200	YFT-A300	YFT-A400	YFT-A500	YFT-A600	YFT-A800	YFT-A1000
测试阀门通径 Allowable test valve nominal diameter (mm)	DN15-100	DN50-200	DN80-300	DN150-400	DN200-500	DN300-600	DN400-800	DN500-1000
有效开档距离 Available betweenpandis(mm)	100-700	170-850	250-1200	300-1300	350-1350	400-1400	600-1600	800-1800
油泵Oilpump(L/min)	16	25	25	32	40	63	63	63
电机Motor(KW)	2.2	3.0	3.0	5.5	5.5	7.5	11.0	11.0
电源(Power)	380V/50HZ(220V/60HZ)							
外形尺寸Dimension(L*B*Hmm)	2400*1000*1650	2900*1350*1800	3300*1500*1900	3400*1650*2000	3500*1700*2100	3600*1800*2100	4000*2000*2300	5300*2500*2300
重量Weight(KG)	2500	3000	3200	5500	7000	8500	11000	23000

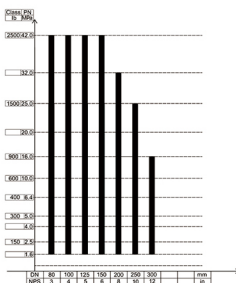
测试压力范围



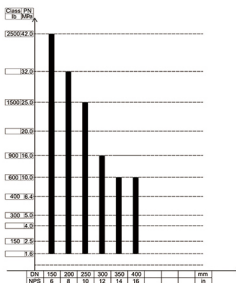
备注：顶压油缸内径及数量 $\phi 140\text{mm} \times 1$ 只



备注：顶压油缸内径及数量 $\phi 250\text{mm} \times 1$ 只

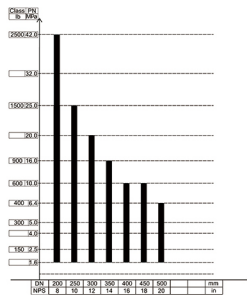


备注：顶压油缸内径及数量 $\phi 300\text{mm} \times 1$ 只

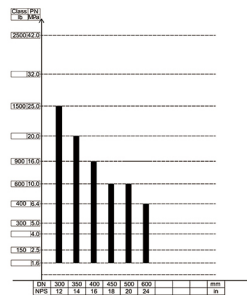


备注：顶压油缸内径及数量 $\phi 300\text{mm} \times 1$ 只

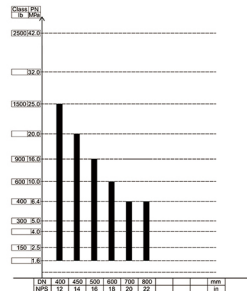
测试压力范围



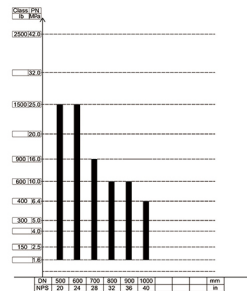
备注：顶压油缸内径及数量 $\phi 350\text{mm} \times 1$ 只



备注：顶压油缸内径及数量 $\phi 420\text{mm} \times 1$ 只



备注：顶压油缸内径及数量 $\phi 500\text{mm} \times 1$ 只



备注：顶压油缸内径及数量 $\phi 700\text{mm} \times 1$ 只

YFT-T液压蝶阀试验台

YFT-T series hydraulic butterfly valve test bench



技术性能与特点:

1. 适用于法兰连接和对夹式蝶阀、刀型闸阀的性能试验。
2. 夹紧爪同步移动，同步夹紧。
3. 该系列可提供单式和组合式两种形式。
4. 试验介质可由水，气或者煤油，由客户自选。
5. 已配置高、低压水泵及增压系统，可直接进行水压试验。预留一个气泵接口，如采用气为介质则气泵需用用户自配。
6. 试验台用水及油等试验介质可循环使用。
7. 设有液压自动卸荷系统，使用时，高压状态与卸荷状态自动切换，有效降低了油温，延长设备使用寿命。
8. 另有触摸屏控制、显示和打印测试压力系统可选配。

Technical performance and feature:

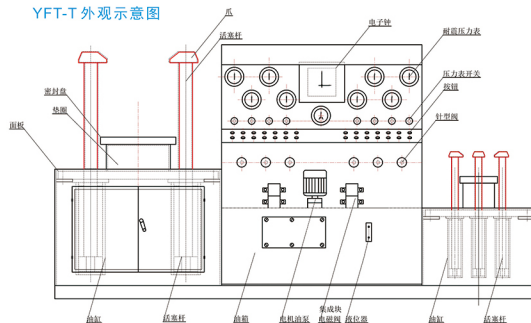
1. YFT-T series hydraulic butterfly valve test bench is suitable for the testing of flanged butterfly valves, wafer check valves and knife gate valves.
2. Clamping claws are simultaneously moving and tightening.
3. There are two types for the YFT-T series bench: single type and couple type.
4. Test medium can be chosen by user, water, air or kerosene.
5. Test bench has low pressure water pump and water booster. There is an air connection reserved for air pump.
6. Water and hydraulic oil can be cycle used.
7. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
8. PLC control, touch screen display pressure diagram and printer system is optional.

YFT-T液压蝶阀试验台

YFT-T series hydraulic butterfly valve test bench



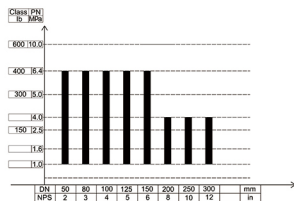
YFT-T 外观示意图



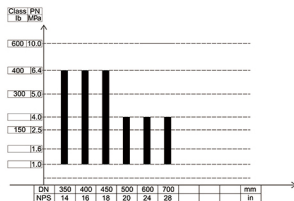
主要数据及规格 Main technical parameters and sizes

型号Model	YFT-T300	YFT-T600	YFT-T700	YFT-T800	YFT-T1000	YFT-T1200	YFT-T1600	YFT-T2000
测试阀口径 Allowable test valve nominal diameter (mm)	DN50-300	DN50-300 DN300-600	DN50-300 DN350-700	DN50-300 DN350-800	DN250-500 DN500-1000	DN300-600 DN700-1200	DN350-800 DN900-1600	DN1200-2000
测试法兰直径范围 Allowable flange end of test valve (mm)	165-520	165-520 440-845	165-520 520-960	165-520 520-1085	375-670 670-1320	440-845 860-1485	490-960 1075-1930	1405-2345
夹爪至工作台面距离 Distance between class and work panel	210-510	210-510 220-670	210-510 220-670	210-510 280-810	220-620 290-820	220-670 340-1040	280-810 440-1070	585-1225
油泵Oil pump (L/min)	16	25	25	25	32	40	40	63
电源(Power)	380V/50HZ(220V/60HZ)							
电机Motor (KW)	2.2	3.0	3.0	3.0	5.5	5.5	7.5	11.0
外形尺寸 Dimension (L*B*Hmm)	2000*1350 *1900	3500*1350 *1900	3500*1350 *1900	3600*1500 *1900	4150*1850 *2050	4900*2200 *2050	5200*2350 *2200	5200*2750 *2200
重量Weight(KG)	2000	3500	4000	4500	7500	8200	9500	12500

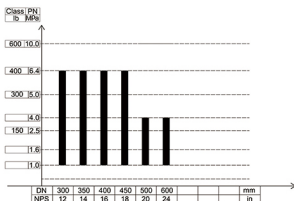
测试压力范围



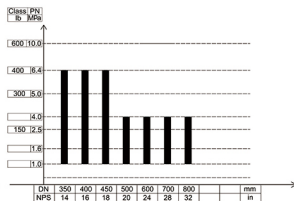
备注：夹紧油缸内经及数量 $\phi 100\text{mm} \times 3$ 只



备注：夹紧油缸内经及数量 $\phi 180\text{mm} \times 4$ 只

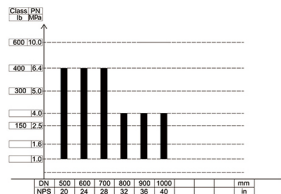


备注：夹紧油缸内经及数量 $\phi 160\text{mm} \times 4$ 只

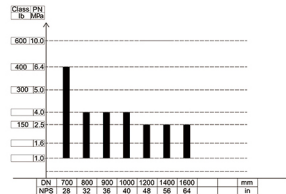


备注：夹紧油缸内经及数量 $\phi 200\text{mm} \times 4$ 只

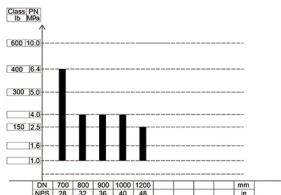
测试压力范围



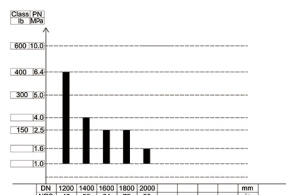
备注：夹紧油缸内经及数量 $\phi 200\text{mm} \times 6$ 只



备注：夹紧油缸内经及数量 $\phi 260\text{mm} \times 6$ 只



备注：夹紧油缸内经及数量 $\phi 220\text{mm} \times 6$ 只



备注：夹紧油缸内经及数量 $\phi 320\text{mm} \times 6$ 只

YFT-B立式液压阀门试验台

YFT - B series vertical type hydraulic valve test bench



技术性能与特点:

1. 适用于DN300mm以下规格法兰连接、焊接和螺纹连接阀门的性能试验。
2. 工作台面设有顶压缸顶紧。
3. 上方横梁可旋转90度以上, 使工作台面敞开, 便于操作。
4. 试验介质可由水、气或者煤油, 由客户自选。
5. 已配置高、低压水泵及增压系统, 可直接进行水压试验。预留一个气泵接口, 如采用气为介质则气泵需用户自配。
6. 试验台用水及油等试验介质可循环使用。
7. 设有液压自动卸荷系统, 使用时, 高压状态与卸荷状态自动切换, 有效降低了油温, 延长设备使用寿命。
8. 另有触摸屏控制、显示和打印测试压力系统可选配。

Technical performance and feature:

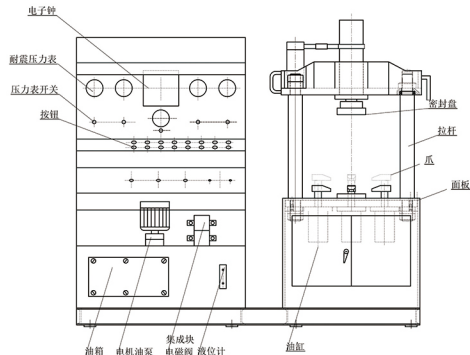
1. YFT-B vertical series hydraulic valve test bench is suitable for the seal test and shell test of the valves below DN300, it is with two types of plane blind plates: plastic seal plates for non-flange valve testing and O rings seal plates for flange valve testing.
2. The work panel has claws and the upward side has impact cylinder.
3. The top beam can be turned over 90 degrees, easy for operation.
4. Test medium can be chosen by user, water, air or kerosene.
5. Test bench has low pressure water pump and water booster. There is an air connection reserved for air pump.
6. Water and hydraulic oil can be cycle used.
7. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
8. PLC control, touch screen display pressure diagram and printer system is optional.

YFT-B立式液压阀门试验台

YFT - B series vertical type hydraulic valve test bench



YFT-B外观示意图



主要数据及规格 Main technical parameters and sizes

型号Model	YFT-B100	YFT-B200	YFT-B300
测试阀门通径Allowable test nominal diameter(mm)	DN15-100	DN50-200	DN80-300
测试阀门结构长度Test valve face diameter(mm)	108-350	178-550	210-750
测试阀门法兰Allowable flange end of test valve	最大法兰直径/厚度Max.flange od/thickness(mm)	265/42	405/55
	最小法兰直径/厚度Max.flange od/thickness(mm)	90/12	160/16
上下盲板有效开档距离Available distance between two sealing pans (mm)	95-400	165-600	200-800
夹头机构Clamp part	轴向行程Axial stroke(mm)	52	62
	径向行程Radial stroke(mm)	125	150
油泵Oil pump(L/min)	16	16	16
电机Motor(KW)	2.2	2.2	3.0
外形尺寸D*mmension (L*B*Hmm)	1750*800*1850	1850*1100*1850	2050*1100*1850
重量Weight(KG)	1500	2000	2500

YFT-Z-B沉水式液压阀门试验台

YFT-Z-B series hydraulic valve test bench



技术性能与特点:

1. 适用于DN300mm以下规格法兰连接、焊接和螺纹连接阀门的性能试验。
2. 工作台面设有夹紧缸抱压及上部设有顶压缸顶紧。
3. 上方横梁可旋转90度以上,使工作台面敞开,便于操作。
4. 试验介质可由水,气或者煤油,由客户自选。
5. 已配置高、低压水泵及增压系统,可直接进行水压试验。预留一个气泵接口,如采用气为介质则气泵需用户自配。
6. 试验台用水及油等试验介质可循环使用。
7. 设有液压自动卸荷系统,使用时,高压状态与卸荷状态自动切换,有效降低了油温,延长设备使用寿命。
8. 另有触摸屏控制、显示和打印测试压力系统可选配。

Technical performance and feature:

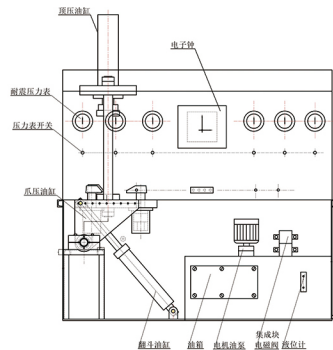
1. YFT-B vertical serie hydraulic valve test bench suitable for DN15mm - DN300mm valve testing. With two types plane blind plates, plastic seal plates for none-flange valve testing and O rings seal plates for flange valve testing.
2. The work panel has claws and the upward side has impact cylinder.
3. The top beam can turn 90 degrees, easy for operation.
4. Test medium can be choosing by user, water, air or kerosene.
5. Test bench has low pressure water pump and water booster. There is an air connection reserved for air pump.
6. Water and hydraulic oil cycle use.
7. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
8. PLC control, touch screen display pressure diagram and printer system is optional.

YFT-Z-B沉水式液压阀门试验台

YFT-Z-B series hydraulic valve test bench

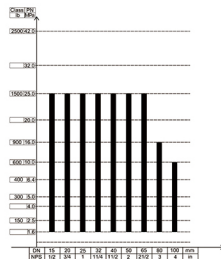


YFT-Z-B 外观示意图

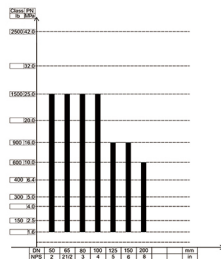


主要数据及规格 Main technical parameters and sizes

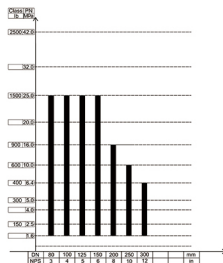
型号Model	YFT-B100	YFT-B200	YFT-B300
测试阀门通径Allowable test nominal diameter(mm)	DN15-100	DN50-200	DN80-300
测试阀门结构长度Test valve face diameter(mm)	108-350	178-550	210-750
测试阀门法兰Allowable flange end of test valve	最大法兰直径/厚度Max.flange od/thickness(mm)	265/42	405/55
	最小法兰直径/厚度Max.flange od/thickness(mm)	90/12	160/16
上下盲板有效开档距离Available distance between two sealing pans (mm)	95-400	165-600	200-800
夹头机构Clamp part	轴向行程 Axial stroke(mm)	52	62
	径向行程 Radial stroke(mm)	125	150
油泵Oil pump (L/min)	16	16	16
电机Motor (KW)	2.2	2.2	3.0
外形尺寸Dimension (L*B*Hmm)	1750*800*1850	1850*1100*1850	2050*1100*1850
重量Weight(KG)	1500	2000	2500



备注：夹装油缸内径及数量 $\phi 80\text{mm} \times 3$ 只；
顶压油缸内径及数量 $\phi 100\text{mm} \times 1$ 只



备注：夹装油缸内径及数量 $\phi 120\text{mm} \times 3$ 只；
顶压油缸内径及数量 $\phi 160\text{mm} \times 1$ 只



备注：夹装油缸内径及数量 $\phi 140\text{mm} \times 3$ 只；
顶压油缸内径及数量 $\phi 220\text{mm} \times 1$ 只

YFT-C组合式液压阀门试验台

YFT-C couple type hydraulic valve test bench



技术性能与特点:

1. 适用于DN50mm以下规格法兰连接、焊接和螺纹连接阀门的性能试验。
2. 兼备夹抱压式与顶压压紧两部分，将试验工件沉入水箱中，可上下升降及夹爪抱压部分具有90度翻转功能，特别适用于气体压力试验，操作使用方便。
3. 试验介质可由水、气或者煤油，由客户自选。
4. 已配置高、低压水泵及增压系统，可直接进行水压试验。
5. 预留一个气泵接口，如采用气为介质则气泵需用户自配。
6. 试验台用水及油等试验介质可循环使用。
7. 设有液压自动卸荷系统，使用时，高压状态与卸荷状态自动切换，有效降低了油温，延长设备使用寿命。
8. 另有触摸屏控制、显示和打印测试压力系统可选配。

Technical performance and feature:

1. YFT-C type hydraulic valve test bench is suitable for the seal test and shell test of the flange, welding and threaded valve below DN50.
2. Claws clamping part and impact cylinder parts are separated.
3. Test medium can be chosen by user, water, air or kerosene.
4. Test bench has low pressure water pump and water booster.
5. There is an air connection reserved for air pump.
6. Water and hydraulic oil can be cycle used.
7. The test bench has an automatic oil pressure discharge system. When using it, the high pressure condition and the relief pressure condition can be changed by itself. So it can reduce oil temperature, elongate life of test bench.
8. PLC control, touch screen display pressure diagram and printer system is optional.

YFT-C组合式液压阀门试验台

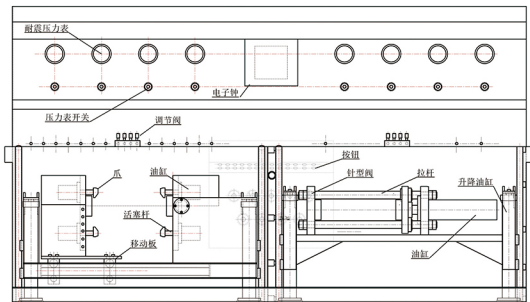
YFT-C couple type hydraulic valve test bench



触摸屏操作说明及简要流程

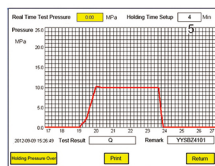
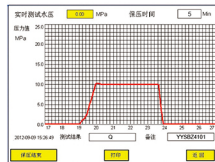
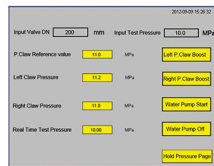


YFT-C 外观示意图



主要数据及规格 Main technical parameters and sizes

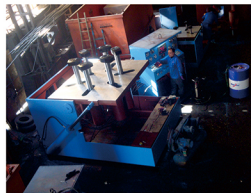
型号Model	YFT-C50		
测试阀口径 Allowable test nominal diameter	DN15-50		
测试阀门结构长度 Test valve face diameter(mm)	130-250		
爪压抱压部分 Claws clamp part	测试阀法兰 Allowable flange end of test valve	最大法兰直径/厚度 Max.flange od/thickness(mm)	195/28
		最小法兰直径/厚度 Min.flange od/thickness(mm)	90/12
	移动架开档距离 Moving bracket horizontal distance(mm)	105-480	
夹头机构 Clamp part	轴向行程 Axial stroke(mm)	32	
	径向行程 Radial stroke(mm)	80	
有效开档距离 Available betweenpandis(mm)	80-480		
	最大夹紧力 Max. pressure of the water pump supply(MPa)	320	
	油泵额定压力 Rated pressure of oil pump(MPa)	31.5	
液压系统 Hydraulic system	流量 Flow(L/min)	16	
	高压/油压增压 High pressure (increase pressure) MPa	31.5	
电源 Power)	380/220(V)/50/60(Hz)		
电机 Motor(KW)	2.2		
外形尺寸 Dimension (L*B*Hmm)	3350*1450*1900		
重量 Weight(KG)	2500		



1. 利用按钮操作，夹紧被试阀门后，再开始使用本系统。
2. 首先“输入被试阀口径”和“输入测试压力”。
3. 《左爪自动增压》按钮：将左爪夹紧力自动增压至所需夹紧力。
4. 《右爪自动增压》按钮：将右爪夹紧力自动增压至所需夹紧力。
5. 《水泵启动》按钮：启动水泵，向阀体内注水，并增压至测试压力。
6. 《水泵停止》按钮：在注水过程中，出现意外情况可及时停止水泵工作。
7. 《进入保压页面》按钮：进入保压页面。
8. “保压时间”：默认5分钟。
9. 《保压结束》按钮：保压时间到，停止声光报警。
10. 《打印》按钮：可打印当前页面。

MPa	1.6	2.5	4.0	5.0	6.4	10.0	13.0	16.0	20.0	25.0	38.0	42.0	56.0	63.0	76.0
class	150	300	400	600	800	900	1500	2500	3500	4500	6500	7500	9500	11000	13000
psi	232	362	580	725	918	1340	1865	2320	3475	5511	6902	8122	9137	11023	14000
bar	16	25	40	50	64	100	130	160	200	250	380	420	560	630	760







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