
Valve And Actuator Technology

manual valve actuators - henrypratt - the actuator characteristic curves below illustrate the total travel of the disc achieved by turning the valve actuator (shown in increments of 10%) from closed to full open position. the pratt® mdt-2s actuator which is used on valves ranging from 3" to 12", features a slotted-lever design.

fieldq valve actuator - emerson - actuator and control modules general overview description the fieldq package consists of an actuator with a module for control and position feed back and forms an integrated concept for "on/off" valve automation. 1. basic actuators the basic actuator supplies the torque, required to open and close valves and is available in various sizes (rated **a500 series pneumatic actuators for gemini 89 series ball ...** - a500 series pneumatic actuators for gemini 89 series ball valves features compact, lightweight alumi-num body and bracket fea-turing teflon-impregnated hard anodized surfaces standard 'in line' or 'cross mount' valve to actuator con-figurations stainless steel external trim & viton o-rings standard direct valve stem coupling to **actuator technical information pneumatic actuators - red valve** - red valve actuators are manufactured with lightweight composite tubing, which is fiberglass-reinforced epoxy. the actuator material is impregnated with an anti-fric-tion additive to reduce the piston and o-ring to cylinder friction. the actuator is self-lubricating, and the inside of the cylinder is honed to a 5-15 micro inch finish. the **actuated valves actuated valve information - spears mfg co inc** - actuated valves actuated valve information sold in pre-matched valve & actuator packages spears® makes actuation easy by matching each valve type and size with the appropriate actuator for proper operating torque and cycle time to assure optimum performance. accessory add-ons provide custom actuation configurations **dd13 exhaust gas recirculation valve actuator** - 2 removal of the dd13 exhaust gas recirculation valve actuator remove as follows: notice: the exhaust gas recirculation (egr) valve actuator shaft must be held still using a wrench when removing or installing the actuator lever or pull rod clamping nuts to avoid damage to the egr valve actuator internal end stops. 1. **valves and actuators catalog - johnsoncontrols** - v-4 table of contents vg1000 series three-way, stainless steel trim, npt end connections ball valves with spring-return electric actuators with **actuator selection - flowserve** - without making the actuator selection process more cumbersome. the .80 torque factor does not apply to our double-acting actuators because the output torque is constant over the full stroke. thus, double-acting actuators are sized based on maximum valve torque, maximum actuator torque. iv. type of control **fisher 657 diaphragm actuator sizes 30/30i through 70/70i ...** - actuator mounting: if the actuator is shipped separately or the actuator has been removed from the valve, the actuator should be mounted to the valve before placing the valve in the pipeline when practical. in the case of needing to place a weld-end body in-line, the trim will be removed from the body during the welding process. when **valtek spring cylinder linear actuators - flowserve** - actuators. higher thrust allows tighter valve shutoff. longer stroke longer strokes provide better process control. size 25 spring cylinder linear actuators have a 1 1/2-inch (38 mm) stroke, in contrast to a 3/4-inch (19 mm) stroke on a comparable linear diaphragm actuator. larger actuators have **intelligent valve actuator - maxon corporation** - valve actuator direct-coupled to a valve and, 2) a control interface unit between the valve actuator and the user's process controller, plc, or dcs. the valve actuator is an industrial rated, factory-calibrated assembly that incorporates a heavy-duty, planetary gear-head with integrated, long-life position feedback. **valvcon metso v-series actuator 115vac and 230vac** - valvcon metso v-series actuator 115vac and 230vac general metso is a leading designer and provider of com-pact, reliable, electronically controlled electric actu-ators for valves and dampers. we offer a complete line of valvcon electric actuators for accurate posi-tioning of dampers and valves in the aerospace, **pool/spa control operation & accessories service manual ...** - pool/spa control accessories installation operation & service manual model pe24va valve actuator suitable for pool / spa equipment applications electrical ratings: 24 volts, 60 hz, 0.75 amps. **actuator for valves - downloadhneider-electric** - the actuator may be mounted horizontally, verti-cally and in any position in between, but not upside down, see figure 3 . n .b .! do not use the actuator for the dn15 valves v298, v282, v294, v384, v386 and v394 . to mount the actuator on a valve, slide the actuator onto the valve neck, thus making the square nut on **va series "valve + actuator"** - **assured automation** - the va series combines a pneumatic actuator and valve into one body, eliminating packing glands, actuators and mounting kits. there are no exposed moving parts, eliminating pinch points and increasing operator safety. since the actuator is part of the valve, costs are greatly reduced when compared to standard actuated valves. **milwaukee controls mc series - milwaukeevalve** - 4. place coupling on valve stem and position actuator over coupling and onto mounting bracket. align valve and actuator assembly so as to eliminate shear forces. tighten all assembly fasteners to the appropriate torque. 4 4-1 actuator insallation the milwaukee actuator is designed to be easily installed. the actuator comes with an iso bottom **namur direct mount pneumatic actuator valves** - stainless steel (valve to actuator) stainless steel (valve to actuator) carbon steel (valve to actuator) solenoid parts: e5, c5 & c316 e5, c5 e5, c5 & c316 sleeve, plunger & spring - 304 & 430f stainless steel coils - epoxy molded with 3 spade terminals (std). coil housing (per coil option selected) see page 26-29 valve type operating ... **pneumatic valve actuator - parker** - valve actuator actuator - pneumatic pressures to 150,000 psi (10342 bar) the need to control process and vent valves from a remote location makes air operated valves a vital component to

many processing operations. all parker autoclave engineer's valves are available with piston type actuators. six sizes of air actuators (light, mini-light, **diaphragm valve actuation - engvalves** - the actuator is spring-to-open, air-to-close type. operation is via a normally closed 3 way, 2 position (3/2) solenoid valve. when the solenoid is energized, valve closes and when de-energized, the valve opens. the valve will fail open in the event of loss of electrical power to the solenoid valve. **needle valve actuators pneumatic, piston type** - for most parker autoclave engineers valve series there is a choice of two or more actuator designs. this provides the most efficient and economical pneumatic valve operation for any combination of process requirements and available air pressure. actuators are available for outdoor service. **manual actuators 11-14-08 - val-matic valve ...** - manual actuators introduction butterfly and ball valves are typically supplied with either a traveling nut or worm gear type actuator. both types are listed in the applicable awwa valve standards, c504 and c507. each type has some important characteristics that affect the performance of **erie product family - valve actuator warehouse** - • actuator mounts directly onto the valve body without the need for linkages or calibration • manual override lever (normally closed only) • actuator can be replaced without any tools, or removal of the valve from the system • vs series valve available for low pressure steam actuator specifications **manual actuator for knife gate valves - dezurik** - removing actuator 1. close the valve. 2. disconnect the stem from the gate by removing the two screws and nuts. 3. remove the screws securing the actuator yoke to the valve, then separate the actuator from the valve. actuator installation 1. close the valve. 2. set the actuator on the valve and secure it in place with the screws. 3. **599 series ball valve & actuator assemblies selection** - technical bulletin 599 series ball valve and actuator assemblies selection document no. 155-704p25 tb 253 july 12, 2010 siemens industry, inc. description this technical bulletin aids in the selection of a ball valve and actuator assembly. tables 1 and 2 list full-port ball valve product numbers and flow coefficients. **characterized control valve accessories - belimo** - actuator fully counter clockwise. 2. place the switch/potentiometer adaptor onto the hex shaft of the handle which is in the center of the valve/actuator coupling. 3. slide switch onto the actuator using the actuator guiding grooves on the sides of the actuator. 4. check for correct mating of the adaptor to the switch. 5. adjust switch dials as ... **2.4 rotork actuators rotork type na actuators are introduction** - actuator. control components can be adjusted so that the valve can be made to stroke and stop once a predetermined position is reached or a certain amount of thrust has been attained. the valve itself is not manufactured by rotork controls, although the characteristics of the valve must be considered in the selection of the control **ghg14 dd15 at exhaust gas recirculation valve actuator** - 9. loosen the coolant outlet line from the egr actuator adaptor fitting and water manifold adaptor fitting. discard seal rings. 10. loosen the coolant inlet line from the egr actuator and cylinder block adaptor fitting. discard seal rings. 2 removal of the ghg14 dd15 at exhaust gas recirculation valve actuator **valve and valve actuator selection guide - siemens** - 2. f or the actuator, work from top-to-bottom to select: • fail-in-place/fail safe • signal 3. at the intersection of the valve row and the actuator column locate the desired close-off value and price. 4. create the assembly part number by combining the actuator prefix code (apc) in the actuator column with the part no. in the part no ... **schematic symbols are used to identify and** - valve actuation (shift) actuators are used to change valve positions and can be mechanical, pneumatic pilot or electric solenoid. mechanical actuators would include springs, push buttons, plungers, levers and cam rollers. pneumatic pilots are similar to cylinders and they change valve position with a pressurized air signal. **bva-85 brake valve actuator - bendixvc** - valves bva-85™ brake valve actuator ahead of the curve™ operating the bendix® bva-85™ brake valve actuator requires just a few simple steps: • pull the yellow parking control valve out to the applied position. • push the red trailer supply valve in the charge position. **control valve handbook - industrial automation training** - the control valve handbook has been a primary reference for more than 30 years. this third edition is a complete revision and update that includes vital information on control valve performance and the latest technologies. chapter 1 offers an introduction to control valves including definitions for common control valve and instrumentation ... **actuators - ge oil and gas** - the ra actuator is designed to operate when hydraulic pressure is applied between a stationary piston and a movable cylinder tube, causing the tube and spring to move downward, while opening a reverse-acting gate valve. when hydraulic pressure is vented or lost, the helical spring returns the actuator to the fully up (closed) position. **terminator chlorine valve actuator - forceflowscales** - actuator retention pin for added security the terminator valve actuator with gemini controller is an economical emergency chlorine shutoff system designed for use on 150 lb (68 kg) type chlorine and sulfur dioxide cylinders commonly used at water and wastewater treatment plants. the system is electric powered with a only used **jamesbury® valve & actuator solutions** - jamesbury valve solutions threaded-end ball valves a-style ball valves the threaded end a-style ball valve design incorporates standard ports, fire tested performance, actuator mounting pad, and flexible lip seats for extended cycle life. the a-style is similar to the eliminator. the a-style **series 92/93 pneumatic actuator operation and maintenance ...** - actuator on the valve . the studs should be snug in the bottom of the tapped holes; there is no need to torque them . install the actuator on the valve making sure that the base of the actuator fits flat against the valve mounting 3 **actuated ball valve selection guide - swagelok** - actuated ball valve selection guide, iso 5211-compliant actuator mounting bracket kits 3 actuated (68.9, 6.89) ball valve selection calculating operating torque 1 . select the

base start and base end torque at system pressure from table 1 . 2 . select the temperature factor from table 2 . 3 . select the media factor from table 3 . 4 . **pneumatic actuator - operating conditions** - sizing example of ovc double acting actuator: valve torque 100nm plus 30% safety factor= 130n.m. minimum operating pressure 6bar. by reading down the 6bar column the figure below 130n.m is 189.4n.m, the model number shown in the left hand column is therefore ov105dah. **pneumatic actuator - double acting model air supply pressure universal electric actuator instruction manual - vici** - in this mode, the actuator automatically finds the correct positions using a combination of the valve's mechanical stops and the actuator's quadrature encoder. to set up the actuator in this mode: 1. with no valve on the actuator, type am1 **va... valve actuator assemblies with vkg butterfly valves** - and actuator without actuator or valve shaft damage • modular design enables field actuator clocking in 90° increments application va... valve actuator assemblies mount an sqm33, sqm40, sqm45, or sqm50 actuator to a vkg... butterfly valve. the vkg... valve and sqm... actuator are rigidly mounted with siemens engineered **va-8020 floating valve actuator product/technical bulletin - 2 va-8020 floating valve actuator product/technical bulletin operation** the va-8020 actuator accepts a 24 vac signal from a compatible controller. the controller sends 24 vac to either the up or down wires depending on the desired **pneumatic gate valve instruction manual** - actuator solenoid valve body carriage side gate (seal) side with o-ring port flange: standard cf-f or kf / iso structural supports notes • always wear powder-free latex gloves when performing maintenance or repairs of a gate valve. oil from bare fingers may be missed during a wipe down of parts. **part 1 control valve actuator options - iceweb** - control valve actuator options today's actuators offer imposed performance with lower life-cycle costs. the challenge is choosing the right one for the application. part 1 unglamorous nickname "pig iron" as-signed to the actuator/control valve unit. with the onset of the smart-valve genera-tion, it suddenly appears that the control **v-3000 pneumatic valve actuator product bulletin** - valve is in the normal position. spring and fluid forces in the valve combine to balance against the diaphragm pressure. reducing the air pressure permits the valve spring to return the valve plug to its normal position. mounting the actuator is easily field mounted to the valve bonnet with a single set screw. the v-9502 valve positioner can also **valve retrofit installation instructions for use with ...** - the actuator one-half the distance to its full ccw travel. tighten the actuator's shaft clamp nuts securely. this procedure balances the valve travel limits within the range of motion of the actuator, thereby assuring unimpeded valve stem travel. when using an af or nf actuator, a 5° offset may be necessary to ensure proper close off. **tac erie vt/vs poptop series two position spring return valves** - † actuator can be replaced without any tools, or removal of valve from system † vs series available for low pressure steam applicable literature en-205 water and steam system guidelines, f-26080-1. tac erie™ vt/vs poptop™ series two position spring return valves general & high close-off poptop zone valves general instructions **liebert valve actuator (motor module) - arrow electronics** - liebert valve actuator (motor module) a liebert precision cooling equipment purchase is an investment in leading-edge technology, quality and performance Ñ an investment that should be protected by purchasing liebert service parts. liebert service parts, such as the valve actuator (motor module), provide direct fit and function.

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