Boiler Feed Pump Balance Disc

centrifugal multi stage pumps pumpfundamentals com, china dg type horizontal multistage centrifugal pump, sulzer pumps hpt multistage barrel casing boiler feed pump, md high pressure stage casing pump sulzer, hgm boiler feed pump by ksb, mc high pressure stage casing pump sulzer, boiler feed pumps residual mechanical unbalance amp process, ksb feed pump balancing disc damage pump engineering, pumpeteq pty ltd sulzer mc80 260 11 overhaul, boiler feedwater pump wikipedia, boiler feed pump upgrade challenge world pumps, balancing drum and balancing disk pump engineering eng, why does a feed pump have balance and re circulation lines, boiler feed high pressure multistage water pumps, about centrifugal pump types a good video to watch detail operation, how poor repair on boiler feeds pumps bearing sensor, boiler feed water pump supply alibaba com, china sub high pressure boiler feed water pump dg type, bfp pumpiran, services nrk engineering control system co ltd we, instructions on installation operation and maintenance for, dg series boiler water multistage pumps changsha, horizontal multi stage pumps ebara, ksb boiler feed pumps manual ebook list, china high pressure boiler feed water pump china boiler, cr4 thread balance disc assembly, need of balancing line in boiler feed pump industrial, what is balance disc china mimo flow control, boiler feed pump pump valve scribd read books, hgc boiler feed pump ksb, boiler feed pumps bharat heavy electricals, high temperature boiler feed water pumps tobee pump, kbds kbdd bb5 pump rodelta, hgc boiler feed pump shop ksb com, axial thrust ksb, disc pump disc pump suppliers and manufacturers at, balancing the leak off line in a boiler feed pump cr4, boiler feed pump ksb, axial thrust drums discs and doom linkedin, under the scenes of our lives high pressure pump, how balance disc in boiler feed pump works answers com, what is a balancing device in a boiler feed pump quora, dg horizontal multistage centrifugal boiler feed water, what is the function of balancing disc in multistage feed pump, condition monitoring of multi stage pumps by measuring the, feed pump developments condensers pumps and cooling water, how poor repairs on boiler feed pumps affect performance, high pressure boiler feed water pump apichinapump com, hgc boiler feed pump ksb s a s france pdfby this design axial load generated within pump get balanced without need for balance disc or impeller balance holes split casing design allows pump to be splitted axially this allows rotating elements of the pump to be dismantled or fixed without disturbing suction and discharge flange connections by just opening the casing cover, horizontal pump boiler feed pump multistage pump manufacturer supplier in china offering dg type horizontal multistage centrifugal pump air cooled hot thermal oil pump lqry oil transfer pump hydraulic pump fuel pump stainless steel pump kcb 2cy ycb gear oil pump for crude oil diesel oil heavy oil lubrication oil pump internal gear pump fuel oil pump hydraulic pump, sulzer pumps combines more than 135 years of experience in drawing of original 1905 sulzer boiler feed pump with a balance disc sulzer has the original patent for disc coun ter disc balancing systems sulzer pumps hpt multistage barrel casing boiler feed pump brochure, md high pressure stage casing pump balance disc and lift off device mechanical and magnetic available for frequent start stop operation 7 bearings and lubrication boiler feed pump bfp for biomass waste boiler feed pumps for
biomass firing power plants applications are typically small medium ring section type axially split, join the water on its journey through a hgm pump in this video ksb boiler feed pump hgm is a multistage ring section pump with radial impellers for applications in power stations and in, m series high pressure stage casing pumps have a modular design thus allowing sulzer to find the most efficient solution to meet customer requirements typically for feedwater pump and condensate extraction pump in gas fired combined cycle power plants among other applications, the pump manufacturer will provide npsh3 and margin recommendations to mitigate cavitation and provide long life of the first stage impeller a key factor in pump selection for demanding boiler feed service is rotor hydraulic axial balance two types of rotor construction need to be considered in line tandem impellers see figures 6 2, ksb feed pump balancing disc damage ksb feed pump balancing disc damage this is a warranty issue so we are quite naturally interested in getting to the bottom of the balance disc problem and were hoping someone else out there might have experienced similar failures with ksb boiler feed pumps thanks dan re ksb feed pump balancing disc damage, most commonly the mc80 is a boiler feed pump or other style of high pressure centrifugal pump up to a temperature of 180c and a maximum of 180bar the mc80 260 can come with a balance drum and balance liner or a balance disc and balance ring arrangement dependent on the duty of the pump, a boiler feedwater pump is a specific type of pump used to pump feedwater into a steam boiler the water may be freshly supplied or returning condensate produced as a result of the condensation of the steam produced by the boiler these pumps are normally high pressure units that take suction from a condensate return system and can be of the centrifugal pump type or positive displacement type, boiler feed pump upgrade challenge 6 november 2009 low speed and therefore low flow operation of large boiler feed pumps can significantly increase the risk of failure of components such as bearings and the balance disc blade passing frequency effects have also proved to be particularly troublesome, on a turbine driven boiler feed pump what is the function of a balancing drum with a balancing disk on prints it shows a balancing drum leak off line that goes installation contractors have been known to use these balance lines as pump recircs i had one customer that only had a problem during boiler start up the pumps cavitated like crazy, mostly feed pumps are provided with balance and recirculation lines just to maintain required flow of liquid for the process if the flow of liquid is more for the process and we cannot reduce the rpm of the pump recirculation line balance line comes for the work which in turn maintain required flow, shop online for boiler feed high pressure multistage water pumps as well as which are made in china with depon one of professional manufacturers and suppliers in china our factory also offers price list and quotation consultation, about centrifugal pump types a good video to watch detail operation skip navigation sign in search loading close this video is unavailable watch queue queue, how poor repairs on boiler feed pumps affect performance and reliability analyzing the poor repairs on a boiler feed pump and how they affect the pump's performance and reliability thread chatter on balance disc inner threads is evidence of poor previous machining practices, water supply boiler feed water pump of horizontal multistage pump of multistage centrifugal pump us 850 12000 set 1 set min balance disc and shafe sleeve etc the shaft sleeve is mounted on shaft to protect shaft horizontal
multi stage centrifugal pump the material parameter table ss304 high pressure vertical multistage boiler, shenyang no 1 pump co ltd is a china sub high pressure boiler feed water pump dg type manufacturers and sub high pressure boiler feed water pump dg type factory application dg model high pressure boiler feed pump used for thermal power plant boiler feed water also could transfer other cleaning water, a boiler feed pump is a specific type of pump used to pump feed water into a steam boiler these pumps are normally high pressure units that take suction from a condensate return system on larger boiler feed pumps the axial forces at the pump rotor are balanced by means of a hydraulic balancing device through which the fluid handled flows, high pressure pump parts amp boiler feed pump parts centrifugal pump parts amp all of rotating machine equipment parts manufacturing scope of services we can analyses the material composition and hardness of customers parts to manufacture identical components to same specifications pump shaft pump impeller, 3 5 important instructions for operation of boiler feed pump 3 5 1 never operate with closed discharge valve unless the by pass line back to source of supply is wide open never throttle on the suction side of the pump this causes increased friction and increase the possibility of flashing on suction side capacity, dg type pump is for delivering clean water without solide particle or the liquid which the chemical and physical feature is similar with water and temperature is less than 105 it s suitable for boiler feed water and hot water construction the multistage pump is consisted of stator rotor bearing shaft seal 1, horizontal multi stage pumps selection chart applications water supply hot cold water sprinklers agriculture construction factories mines boiler feed other general high pressure services please choose the model referring to specifications for each model features axial force is absorbed by a balance disc, operating reliability 1 axial thrust balancing by balance disc ksb boiler feed ksb boiler feed pump manual in egypts el tebbin steam turbine power plant for example cooling water pumps condensate pumps and boiler feed pumps from ksb play a crucial role at www gmpublicdebate org uk, boiler feed water pump boiler water pump boiler pump manufacturer supplier in china offering high pressure boiler feed water pump deep well submersible water pumps industrial water clean water for fire fight or irrigation pump and so on, we have many operating boiler feed pumps with balance discs it appears that previous maintenance personnel have allowed the end float within the kingsbury thrust bearing to be 025 recommended is far less this begs the question when this pump is operating what axial running clearance is seen by the balance disc, need of balancing line in boiler feed pump posted in industrial professionals dear reader please give me answer for following question 1 what is the function of balancing leak off line in boiler feed pump, with a barrel pump it is much more difficult to find a good way to direct the flow path through a set of opposed impellers so instead they point all the impellers in the same direction and use a balance disc or drum on the end the balance disc is just after the last stage so it has full discharge pressure on one side, boiler feed pump basics amp its construction boiler feed pump heart of the power plant how to choose a pump for power plant system head it is the total head of a system against which a pump must operate total system head total static head from supplying level to discharge level discharge pressure suction pressure friction losses entrance amp exit losses, hgc boiler feed pump high operating reliability 1 axial thrust
balancing by balance disc 2 adaptation of pump casing to rotor deflection line tapping 3 extraction of one or several partial flows of feed water for use elsewhere in the power station ease of service 4 easy maintenance of wear parts bearings seal elements balancing devices, 3 balance drum design for increased reliability of operation the present design pump internals are with balance disc arrangement which works with an axial gap for hydraulic balance of axial thrust which has an inherent risk of seizure during initial start and transient operating conditions, tobee tdp high temperature boiler feed water pump is mainly used for conveying water free of solid particles with the temperature from 20 to 280 or physical and chemical properties similar to liquid water tzpg pump has been innovated on the basis of the traditional forms abandoning the axial force balancing structure of the multistage centrifugal, the bb5 pump type kbd and kbd are double casing radially split multistage between bearing pumps conforming to api 610 requirements axial thrust balancing is by balance disc double piston or straight piston to suit various applications mp and hp boiler feed applications light hydrocarbons and liquid gas transfer applications sea, hgc boiler feed pump high operating reliability 1 axial thrust balancing by balance disc 2 adaptation of pump casing to rotor deflection line tapping 3 extraction of one or several partial flows of feed water for use elsewhere in the power station ease of service 4 easy maintenance of wear parts bearings seal elements balancing devices, see figs 7 to 9 axial thrust axial thrust balancing via balancing devices available options balance disc with balance disc seat and balancing flow return line see fig 10 axial thrust balance drum with balancing flow return line and thrust bearing see fig 11 axial thrust, alibaba com offers 6 080 disc pump products about 7 of these are lids bottle caps closures 3 are other fitness amp bodybuilding products and 1 are pumps a wide variety of disc pump options are available to you such as single stage pump piston pump and diaphragm pump, what is the function of a balance leak off line in a feed pump of a boiler explain please balancing line is given in casing not in delivery line and the balance leakoff pressure acts on balancing disc attached to the shaft and works aganist pump thrust load check the pump manual for the limit balancing the leak off line in a, boiler feed pumps are also referred to as feed pumps see reactor pump and designed as multistage radial flow pumps also see multistage pump they serve to feed a steam generator such as a boiler or a nuclear reactor with a quantity of feed water corresponding to the quantity of steam emitted, so a multistage pump equipped with a balance disc might be quite happy as a 7 stage configuration in a stable water injection service yet the same pump may struggle with high wear in a boiler, fig 1 structure of a boiler feed pump model hdb 1 2 3 5 4 fig 2 water flow inside a boiler feed pump the gap between the balance disc and the balance sheet opposed to the disc the total load to all impeller stages is indicated as a horizontal line the load of the impeller, boiler feed pump suction pressure be approx 15kg cm2 and discharge pressure be 180kg cm2 balance disc opposes the axial thrust due to impellers when fluid is flowing and thus balances the, balancing device consists of balancing ring balancing sleeve and balancing disc etc it is used to balance the axial force of the pump due to the simple structure of the multistage pump the distribution of impeller is not balanced which will occur axial force from the inlet stage during pump running, feed water pump are used for feeding high pressure
boiler or pumping high pressure clean water the temperature of pumped media is not more than 210c application fire water supply high rise water supply industrial water supply mine water supply and drainage, how balance disc in boiler feed pump works the balancing disk is fixed to and rotates with the shaft it is separated by a small axial clearance from the balancing disk head or balancing sleeve, by ray beebe mcm consultants and federation university a previous article optimise overhauls of pumps to save energy pump industry october 2012 showed how quantified performance information can be used to optimise the time of an overhaul measurement of the balance device leakoff flow has long been recommended as a simple way of inferring the internal condition on multi stage pumps , boiler feed pumps installed on early 500 mw units were typically as shown in fig 4 55 they included a long flexible shaft with about six stages and the residual thrust from the impellers taken by a conventional balance disc arrangement, analyzing the poor repairs on a boiler feed pumps and how they affect the pump s performance and reliability it is often said that a picture is worth a thousand words this old adage could not have been truer when a coal fired power station received pictures from the inspection team at a service center, high pressure boiler feed water pump series are single stage vertical mixed flow pumps the high pressure boiler feed water pump is used to transfer clean water or other liquids with similar physical and chemical properties with water the highest temperature of the pumped liquid can be 50, hgc boiler feed pump 1 long service life high operating reliability 1 xial thrust balancing by balance disc a 6 avoidance of cavitation erosion inside the pump through hydraulically optimised inlet 2 daptation of pump casing to rotor deflection line a 7 variant straight shaft design featuring increased operation safety tapping 3 xtraction of one or several partial flows of feed water eCENTRIFUGAL MULTI STAGE PUMPS pumpfundamentals com
April 18th, 2019 - By this design axial load generated within pump get balanced without need for balance disc or impeller balance holes Split casing design allows pump to be splitted axially This allows rotating elements of the pump to be dismantled or fixed without disturbing suction and discharge flange connections by just opening the casing cover

China DG Type Horizontal Multistage Centrifugal Pump
April 14th, 2019 - Horizontal Pump Boiler Feed Pump Multistage Pump manufacturer supplier in China offering DG Type Horizontal Multistage Centrifugal Pump Air Cooled Hot Thermal Oil Pump LQRY Oil Transfer Pump Hydraulic Pump Fuel Pump Stainless Steel Pump KCB 2CY YCB Gear Oil Pump for Crude Oil Diesel Oil Heavy Oil Lubrication Oil Pump Internal Gear Pump Fuel Oil Pump Hydraulic Pump

Sulzer Pumps HPT Multistage Barrel Casing Boiler Feed Pump
April 15th, 2019 - Sulzer Pumps combines more than 135 years of experience in Drawing of original 1905 Sulzer boiler feed pump with a balance disc Sulzer has the original patent for disc coun ter disc balancing systems Sulzer Pumps HPT Multistage Barrel Casing Boiler Feed Pump brochure

MD high pressure stage casing pump Sulzer
April 18th, 2019 - MD high pressure stage casing pump Balance disc and lift
off device mechanical and magnetic available for frequent start stop operation 7 Bearings and lubrication Boiler feed pump BFP for biomass waste Boiler feed pumps for biomass firing power plants applications are typically small medium ring section type Axially split

**HGM Boiler Feed Pump by KSB**
April 3rd, 2019 - Join the water on its journey through a HGM pump in this video KSB boiler feed pump HGM is a multistage ring section pump with radial impellers for applications in power stations and in

**MC high pressure stage casing pump Sulzer**
April 17th, 2019 - M series high pressure stage casing pumps have a modular design thus allowing Sulzer to find the most efficient solution to meet customer requirements typically for feedwater pump and condensate extraction pump in gas fired combined cycle power plants among other applications

**Boiler Feed Pumps Residual Mechanical Unbalance amp Process**
April 9th, 2019 - The pump manufacturer will provide NPSH3 and margin recommendations to mitigate cavitation and provide long life of the first stage impeller A key factor in pump selection for demanding boiler feed service is rotor hydraulic axial balance Two types of rotor construction need to be considered In line tandem impellers see Figures 6 2

**KSB feed pump balancing disc damage Pump engineering**
April 11th, 2019 - KSB feed pump balancing disc damage KSB feed pump balancing disc damage This is a warranty issue so we are quite naturally interested in getting to the bottom of the balance disc problem and were hoping someone else out there might have experienced similar failures with KSB Boiler feed pumps Thanks Dan RE KSB feed pump balancing disc damage

**Pumpteq Pty Ltd Sulzer MC80 260 11 Overhaul**
April 15th, 2019 - Most commonly the MC80 is a boiler feed pump or other style of high pressure centrifugal pump up to a temperature of 180°C and a maximum of 180bar The MC80 260 can come with a Balance Drum and Balance Liner or a Balance Disc and Balance Ring arrangement dependent on the duty of the pump

**Boiler feedwater pump Wikipedia**
April 17th, 2019 - A boiler feedwater pump is a specific type of pump used to pump feedwater into a steam boiler The water may be freshly supplied or returning condensate produced as a result of the condensation of the steam produced by the boiler These pumps are normally high pressure units that take suction from a condensate return system and can be of the centrifugal pump type or positive displacement type

**Boiler feed pump upgrade challenge World Pumps**
November 5th, 2009 - Boiler feed pump upgrade challenge 6 November 2009 Low speed and therefore low flow operation of large boiler feed pumps can significantly increase the risk of failure of components such as bearings and the balance disc ‘Blade passing frequency’ effects have also proved to be
particularly troublesome

**balancing drum and balancing disk Pump engineering Eng**
April 13th, 2019 - On a turbine driven boiler feed pump what is the function of a balancing drum with a balancing disk on prints it shows a balancing drum leak off line that goes Installation contractors have been known to use these Balance lines as pump recircs I had one customer that only had a problem during boiler start up The pumps cavitated like crazy

**Why does a feed pump have balance and re circulation lines**
April 17th, 2019 - Mostly feed pumps are provided with balance and recirculation lines just to maintain required flow of liquid for the process If the flow of liquid is more for the process and we cannot reduce the RPM of the pump recirculation line balance line comes for the work which in turn maintain required flow

**Boiler Feed High Pressure Multistage Water Pumps**
April 4th, 2019 - Shop online for boiler feed high pressure multistage water pumps as well as which are made in China with DEPON one of professional manufacturers and suppliers in China Our factory also offers price list and quotation consultation

**About Centrifugal Pump Types A good video to Watch detail Operation**
April 15th, 2019 - About Centrifugal Pump Types A good video to Watch detail Operation Skip navigation Sign in Search Loading Close This video is unavailable Watch Queue Queue

**How Poor Repair on Boiler Feeds Pumps Bearing Sensor**
April 15th, 2019 - How Poor Repairs on Boiler Feed Pumps Affect Performance and Reliability Analyzing the poor repairs on a boiler feed pump and how they affect the pump s performance and reliability Thread chatter on balance disc inner threads is evidence of poor previous machining practices

**boiler feed water pump supply alibaba com**
April 12th, 2019 - water supply boiler feed water pump of horizontal multistage pump of multistage centrifugal pump US 850 12000 Set 1 Set Min balance disc and shafe sleeve etc The shaft sleeve is mounted on shaft to protect shaft Horizontal multi stage centrifugal pump the material parameter table SS304 High Pressure Vertical Multistage Boiler

**China Sub high Pressure Boiler Feed Water Pump DG Type**
March 28th, 2019 - Shenyang No 1 Pump Co Ltd is a China Sub high Pressure Boiler Feed Water Pump DG Type manufacturers and Sub high Pressure Boiler Feed Water Pump DG TypeFactory Application DG model High pressure boiler feed pump used for thermal power plant boiler feed water also could transfer other cleaning water

**BFP – Pumpiran**
April 7th, 2019 - A boiler feed pump is a specific type of pump used to pump feed water into a steam boiler These pumps are normally high pressure units
that take suction from a condensate return system. On larger boiler feed pumps, the axial forces at the pump rotor are balanced by means of a hydraulic balancing device through which the fluid handled flows.

**Services NRK Engineering Control System Co Ltd We**

April 9th, 2019 - HIGH PRESSURE PUMP PARTS & BOILER FEED PUMP PARTS, CENTRIFUGAL PUMP PARTS & ALL OF ROTATING MACHINE EQUIPMENT PARTS MANUFACTURING

Scope of Services: We can analyze the material composition and hardness of customers’ parts to manufacture identical components to same specifications. Pump Shaft, Pump Impeller.

**INSTRUCTIONS ON INSTALLATION, OPERATION AND MAINTENANCE FOR**

April 18th, 2019 - Important Instructions for operation of Boiler Feed Pump. 3.5.1. Never operate with closed discharge valve unless the bypass line back to source of supply is wide open. Never throttle on the suction side of the pump; this causes increased friction and increase the possibility of flashing on suction side. Capacity.

**DG series Boiler Water Multistage Pumps CHANGSHA**

April 2nd, 2019 - DG type pump is for delivering clean water without solid particle or the liquid which the chemical and physical feature is similar with water and temperature is less than 105°C. It's suitable for boiler feed water and hot water. Construction: The multistage pump is consisted of stator rotor bearing shaft seal 1.

**HORIZONTAL MULTI STAGE PUMPS Ebara**

April 15th, 2019 - HORIZONTAL MULTI STAGE PUMPS SELECTION CHART APPLICATIONS: Water supply, Hot cold water, Sprinklers, Agriculture, Construction, Factories, Mines, Boiler feed, Other general high pressure services. Please choose the model referring to specifications for each model. FEATURES: Axial force is absorbed by a balance disc.

**Ksb Boiler Feed Pumps Manual Ebook List**

April 13th, 2019 - Operating reliability 1 axial thrust balancing by balance disc. Ksb boiler feed Ksb boiler feed pump manual in Egypt's El Tebbin steam turbine power plant for example cooling water pumps, condensate pumps, and boiler feed pumps from KSB play a crucial role at www.gmpublicdebate.org.uk.

**China High Pressure Boiler Feed Water Pump China Boiler**


**CR4 Thread Balance Disc Assembly**

April 2nd, 2019 - We have many operating boiler feed pumps with balance discs. It appears that previous maintenance personnel have allowed the end float within the Kingsbury Thrust Bearing to be 0.25. Recommended is far less. This begs the question when this pump is operating what axial running clearance is seen by the balance disc.
Need Of Balancing Line In Boiler Feed Pump Industrial
April 15th, 2019 - Need Of Balancing Line In Boiler Feed Pump posted in Industrial Professionals dear reader please give me answer for following question 1 what is the function of balancing leak off line in boiler feed pump

What is Balance Disc China Mimo Flow Control
April 10th, 2019 - With a barrel pump it is much more difficult to find a good way to direct the flow path through a set of opposed impellers So instead they point all the impellers in the same direction and use a balance disc or drum on the end The balance disc is just after the last stage so it has full discharge pressure on one side

Boiler Feed pump Pump Valve Scribd Read books
April 6th, 2019 - Boiler Feed Pump Basics amp Its Construction Boiler Feed Pump Heart of the Power Plant How to choose a pump for Power Plant SYSTEM HEAD It is the total head of a system against which a pump must operate Total System Head Total static head from supplying level to discharge level Discharge pressure Suction Pressure Friction losses Entrance amp Exit losses

HGC – Boiler feed pump KSB
April 18th, 2019 - HGC – Boiler feed pump High operating reliability 1 Axial thrust balancing by balance disc 2 Adaptation of pump casing to rotor deflection line Tapping 3 Extraction of one or several partial flows of feed water for use elsewhere in the power station Ease of service 4 Easy maintenance of wear parts bearings seal elements balancing devices

Boiler Feed Pumps Bharat Heavy Electricals
April 17th, 2019 - 3 Balance Drum design – for increased reliability of operation The present design pump internals are with balance disc arrangement which works with an axial gap for hydraulic balance of axial thrust which has an inherent risk of seizure during initial start and transient operating conditions

High Temperature Boiler Feeed Water Pumps Tobee Pump
April 9th, 2019 - Tobee ® TDPG High Temperature Boiler Feed Water Pump is mainly used for conveying water free of solid particles with the temperature from 20° to 280° or physical and chemical properties similar to liquid water TZPG pump has been innovated on the basis of the traditional forms abandoning the axial force balancing structure of the multistage centrifugal

KBDS KBDD BB5 pump Rodelta
April 13th, 2019 - The BB5 pump type KBDS and KBDD are double casing radially split multistage between bearing pumps conforming to API 610 requirements Axial thrust balancing is by balance disc double piston or straight piston to suit various applications MP and HP boiler feed applications Light hydrocarbons and liquid gas transfer applications Sea
April 13th, 2019 - HGC – Boiler feed pump High operating reliability 1 Axial thrust balancing by balance disc 2 Adaptation of pump casing to rotor deflection line Tapping 3 Extraction of one or several partial flows of feed water for use elsewhere in the power station Ease of service 4 Easy maintenance of wear parts bearings seal elements balancing devices

Axial thrust KSB
April 15th, 2019 - See Figs 7 to 9 Axial thrust Axial thrust balancing via balancing devices Available options Balance disc with balance disc seat and balancing flow return line See Fig 10 Axial thrust Balance drum with balancing flow return line and thrust bearing See Fig 11 Axial thrust

Disc Pump Disc Pump Suppliers and Manufacturers at
March 5th, 2019 - Alibaba com offers 6 080 disc pump products About 7 of these are lids bottle caps closures 3 are other fitness amp bodybuilding products and 1 are pumps A wide variety of disc pump options are available to you such as single stage pump piston pump and diaphragm pump

Balancing the Leak Off Line in a Boiler Feed Pump CR4
April 14th, 2019 - what is the function of a balance leak off line in a feed pump of a boiler explain please balancing line is given in casing not in delivery line And The balance leakoff pressure acts on balancing disc attached to the shaft and works against pump thrust load Check the pump manual for the limit Balancing the Leak Off Line in a

Boiler feed pump KSB
April 17th, 2019 - Boiler feed pumps are also referred to as feed pumps see Reactor pump and designed as multistage radial flow pumps Also see Multistage pump They serve to feed a steam generator such as a boiler or a nuclear reactor with a quantity of feed water corresponding to the quantity of steam emitted

Axial Thrust Drums Discs and Doom LinkedIn
July 25th, 2016 - So a multistage pump equipped with a balance disc might be quite happy as a 7 stage configuration in a stable water injection service yet the same pump may struggle with high wear in a boiler

Under the Scenes of our Lives High pressure Pump
April 8th, 2019 - Fig 1 Structure of a boiler feed pump Model HDB 1 2 3 5 4 Fig 2 Water flow inside a boiler feed pump the gap between the balance disc and the balance sheet opposed to the disc The total load to all impeller stages is indicated as a horizontal line The load of the impeller

How balance disc in boiler feed pump works answers com
April 7th, 2019 - Boiler feed pump s suction pressure be approx 15Kg cm2 and discharge pressure be 180Kg cm2 Balance disc opposes the axial thrust due to impellers when fluid is flowing and thus balances the

What is a balancing device in a boiler feed pump Quora
April 18th, 2019 - Balancing device consists of balancing ring balancing
sleeve and balancing disc etc it is used to balance the axial force of the pump due to the simple structure of the multistage pump the distribution of impeller is not balanced which will occur axial force from the inlet stage during pump running

**Dg Horizontal Multistage Centrifugal Boiler Feed Water**

April 13th, 2019 - Feed Water Pump are used for feeding high pressure boiler or pumping high pressure clean water. The temperature of pumped media is not more than 210℃. Application: Fire water supply, high rise water supply, industrial water supply, mine water supply, and drainage.

What is the function of Balancing disc in multistage feed pump

April 12th, 2019 - How balance disc in boiler feed pump works. The balancing disk is fixed to and rotates with the shaft. It is separated by a small axial clearance from the balancing disk head or balancing sleeve.

Condition monitoring of multi stage pumps by measuring the

April 12th, 2019 - By Ray Beebe MCM Consultants and Federation University. A previous article Optimise overhauls of pumps to save energy. Pump Industry October 2012 showed how quantified performance information can be used to optimise the time of an overhaul. Measurement of the balance device leakoff flow has long been recommended as a simple way of inferring the internal condition on multi stage pumps ...

Feed pump developments Condensers pumps and cooling water

March 29th, 2019 - Boiler feed pumps installed on early 500 MW units were typically as shown in Fig 4.55 they included a long flexible shaft with about six stages and the residual thrust from the impellers taken by a conventional balance disc arrangement.

How Poor Repairs on Boiler Feed Pumps Affect Performance

March 16th, 2019 - Analyzing the poor repairs on a boiler feed pumps and how they affect the pump's performance and reliability. It is often said that a picture is worth a thousand words. This old adage could not have been truer when a coal fired power station received pictures from the inspection team at a service center.

High pressure boiler feed water pump apichinapump com

April 7th, 2019 - High pressure boiler feed water pump series are single stage vertical mixed flow pumps. The high pressure boiler feed water pump is used to transfer clean water or other liquids with similar physical and chemical properties with water. The highest temperature of the pumped liquid can be 50?

HGC – Boiler feed pump KSB S A S France PDF

April 4th, 2019 - HGC – Boiler feed pump 1 Long service life, High operating reliability, 1 axial thrust balancing by balance disc A 6 Avoidance of cavitation erosion inside the pump through hydraulically optimised inlet 2 Adaptation of pump casing to rotor deflection line A 7 Variant straight shaft design featuring increased operation safety Tapping 3 extraction of one or
several partial flows of feed water E