

## Information to Assist With RCS Equipment Selection

REQUIRED INFORMATION	COMMENTS
<b>STEP 1: Try to gather the following basic information:</b>	
Gases, liquids, solids or a mixture	Governs monitoring technique permissible
Conductivity of aqueous phases	Affects CORRATER <sup>®</sup> monitoring technique only
Multiphase distribution (if applicable)	Affects probe element location
Relative magnitude of corrosion rate	Affects CORROSOMETER <sup>®</sup> /CORROTEMP <sup>®</sup> probe sensitivity or CORRATER <sup>®</sup> operating range
Response time required for determination of corrosion rate	Affects CORROSOMETER <sup>®</sup> /CORROTEMP <sup>®</sup> sensitivity
Process pressure, temperature, toxicity and chemical compatibility with monitoring equipment	Affects probe construction
<b>STEP 2: Consider the principle mounting configurations as follows:</b>	
Fixed Probes	Not removable under system pressure
CORRATER <sup>®</sup> Retractable System	Removable under system pressure up to 1500 psi
CORRATER <sup>®</sup> Retrievable System	Removable under system pressure up to 6000 psi
<b>STEP 3: Choose a mounting configuration based on the following considerations:</b>	
Process pressure and temperature, toxicity and chemical compatibility with monitoring equipment	Affects probe construction & choice of retractable system
Access for removal and insertion of probes	For retractable or retrievable probes
Laboratory or plant requirement	Determines basic probes series
Process fluid velocities	Affects probe element shielding requirement
Physical interference problems (eg. pigging of pipeline)	Affects probe element form



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